



**CEGON  
TECHNOLOGIES**

**Contact :**

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**Address :**

📍 VIJAYAWADA,  
KAVALI

## **PYTHON LATEST TITLES**

**Enhance Your Skills with CEGON TECHNOLOGIES:  
Premier IEEE and Application-Based Projects and Internships**

**Dear Sir/Madam,**

We are pleased to inform you that CEGON TECHNOLOGIES, located in Vijayawada and Kavali, is your trusted partner for IEEE, live, application-based, and customized projects. Here's why thousands of students and professionals choose us to advance their careers:

### **Our Expertise:**

- **Proven Track Record:** Successfully trained over 25,000 students from various colleges.
- **Extensive Experience:** Over 12 years of expertise in developing academic projects for all departments, including M.Tech, B.Tech, MCA, MSc, Degree, and Diploma programs.
- **Comprehensive Internship Programs:** Specializing in Python, Machine Learning, Artificial Intelligence, AWS, and other advanced technologies.



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## PYTHON LATEST TITLES

S.NO	PROJECT TITLES	DOMAIN
1	Multi-Class Classification of Plant Leaf Diseases Using Feature Fusion of Deep Convolutional Neural Network and Local Binary Pattern	DL
2	Liver Disease Prediction Using Machine Learning and DL	ML & DL
3	Blood Cell Classification using Neural Network Models	DL
4	Detection Of Cyberbullying on social media using Machine Learning	ML
5	Road Accident Prediction Using Machine Learning	ML
6	Deep Learning Method Based for Breast Cancer Classification	DL
7	Bird Species Classification Using Deep Learning	DL
8	Driver Drowsiness Monitoring System Using Visual Behaviour and Machine Learning	ML & DL
9	Detection and identification of pills using Machine learning	DL
10	Microwave Medical Image Segmentation for Brain Stroke Diagnosis Imaging-Process-Informed Image Processing	DL
11	Classification of Diabetic Retinopathy Disease Levels by Extracting Topological Features Using Graph Neural Networks	DL
12	EyeDeep-Net a multi-class diagnosis of retinal diseases using deep neural network	DL
13	Classification Of Lung Cancer Nodules to Monitor Patients Health Using Neural Network Topology with SVM Algorithm & Compare With K-Means Accuracy And CNN	ML & DL
14	Hybrid Deep Learning Algorithms for Dog Breed Identification—A Comparative Analysis	DL
15	Water Quality Classification Using SVM And XGBoost Method	ML
16	Lightweight Intrusion Detection System(L-IDS) for the Internet of Things	ML
17	Face Mask Detection using Convolutional Neural Network	DL
18	Brain Stroke Prediction Using Deep Learning	DL
19	Detection Of Cardiovascular Diseases in ECG Images Using Machine Learning and Deep Learning Methods	DL
20	CONTENT BASED IMAGE RETRIEVAL USING DEEP LEARNING	DL
21	Automated Bird Species Identification Using Audio Signal Processing and Neural Network	DL
22	Parkinson's Disease Detection Using Machine Learning	DL
23	Phishing Website Detection	DL
24	Heart Disease Prediction Using Machine Learning	ML & DL
25	A New Deep Learning Model for Skin Cancer Classification	DL
26	Brain Tumour Image Segmentation Using Deep Network	DL
27	Pest Identification and Control using Deep Learning	DL
28	Helmet Detection and Number Plate Recognition using Deep Learning	DL
29	Detection of Heart Failure Using a Convolutional Neural Network via ECG Signals	DL
30	Detecting Cyber Attacks through Measurements: Learnings from a Cyber Range	ML
31	E-Mail Spam Classification Via Machine Learning and Natural Language Processing	ML
32	Crop Disease Diagnosis using Convolutional Neural Network	DL
33	Identification of Fake Indian Currency using Convolutional Neural Network	DL





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34	Prediction of Air Pollution by using Machine Learning Algorithm	ML
35	Fake Profile Identification in Social Network using Machine Learning and NLP	ML
36	Machine Learning-Based Analysis of Crypto Currency Market Financial Risk Management	ML
37	Identifying Health Insurance Claim Frauds Using Mixture of Clinical Concepts	ML
38	Credit Card Fraud Detection using ML	ML
39	CSKG4APT: A Cyber security Knowledge Graph for Advanced Persistent Threat Organization Attribution	DL
40	E-Agri Kit: Agricultural Aid Using Deep Learning	DL
41	A Crop Pest Classification Model Using Deep Learning Techniques	DL
42	An Integrated Machine Learning Framework for Effective Prediction of Cardiovascular Diseases	ML
43	Research On Recognition Model of Crop Diseases and Insect Pests Based on Deep Learning in Harsh Environments	DL
44	Customer Loan Eligibility Prediction using Machine Learning Algorithms in Banking Sector	ML
45	NLP Based Machine Learning Approaches for Text Summarization	ML
46	Automatic Detection of Covid 19 Infection Using Chest X Ray Images Through Transfer Learning	DL
47	Automatic Detection of Genetic Diseases in Paediatric Age Using Pupillometry	DL
48	Tourist Place Reviews Sentiment Classification Using Machine Learning Techniques	ML
49	Predicting Stock Market Trends Using Machine Learning and Deep Learning Algorithms Via Continuous and Binary Data a Comparative Analysis	ML & DL
50	Duplicate Question Detection with Deep Learning in Stack Overflow	DL
51	Performance Analysis of Machine Learning Algorithms for Disease Prediction	ML
52	Clustering-Based Speech Emotion Recognition by Incorporating Learned Features and Deep Bi-LSTM	DL
53	Bat: Deep Learning Methods on Network Intrusion Detection Using NSL-KDD Dataset	DL
54	Network Intrusion Detection Using Supervised Machine Learning Technique with Feature Selection	ML
55	Toward Detection and Attribution of Cyber-Attacks in IOT-Enabled Cyber-Physical Systems	ML
56	Encrypted Network Traffic Classification Using Deep and Parallel Network-In-Network Models	DL
57	Information System for Automatic News Text Classification	ML
58	Software Defect Prediction using Ensemble Learning	ML
59	Classification of Lung Cancer by Using Machine Learning Algorithms	ML
60	Grape Leaf disease using CNN, SVM, RCNN	ML & DL
61	Kidney Stone Detection using Ultrasound Images	DL
62	Disease Diagnosis using Chatbot	ML
63	Lightweight Privacy-Preserving Medical diagnosis in Edge Computing	ML
64	Monkeypox Detection Using Modified VGG16 & Custom CNN Model	DL
65	Fraud Detection on Bank Payments Using Machine Learning	ML
66	Crop Recommend and Suggestions	ML



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67	Machine Learning for Real-Time Heart Disease Prediction	ML
68	Chronic Kidney Disease Prediction using CNN, LSTM and Ensemble Model	DL
69	Extraction Of Main Urban Roads from High Resolution Satellite Images by Machine Learning	ML
70	Currency Detection Using Deep Learning	DL
71	Voice-Assisted Real-Time Traffic Sign Recognition System Using Convolutional Neural Network	DL
72	Identification of medicinal plant using convolution neural network	DL
73	Vehicle Emission Detection	ML
74	Deep Learning Based Object Detection and Recognition Framework for The Visually-Impaired	DL
75	Raise Funds Online for Medical Emergencies and Social Causes	Application
76	Alzheimer's Disease Detection Using Deep Learning Techniques	DL
77	Brain Stroke Prediction Using Random Forest and Adaboost Algorithm	ML
78	Child Mortality Prediction Using Machine Learning	ML
79	Detection Of Cyberbullying on social media Using Machine Learning	ML
80	Air Pollution Detection Using Image	DL
81	CRYPTO CURRENCY PREDICTION USING Machine Learning	ML
82	QR Code Based Attendance System	Application
83	Facial Attendance Management System	DL
84	Price Negotiating Chatbot on E-Commerce Website	ML
85	Road Pothole Detection Using Deep Learning	DL
86	Emotion Detection Using Twitter Datasets and Spacy Algorithm	ML
87	Fake Logo Detection	ML
88	The CNN And DPM Based Approach for Multiple Object Detection in Images	DL
89	A Data Analytics Approach to The Cybercrime Underground Economy	ML
90	Machine Learning and End-To-End Deep Learning for The Detection of Chronic Heart Failure from Heart Sounds	ML & DL
91	Agriculture Helper Chatbot	ML
92	Multi-View Deep Learning Framework for Predicting Patient Expenditure in Healthcare	DL
93	Drug Recommendation System Based on Sentiment Analysis of Drug Reviews Using Machine Learning	NLP
94	A Machine Learning Approach for Tracking and Predicting Student Performance in Degree Programs	ML
95	An Expert System for Insulin Dosage Prediction	ML
96	An Overview of Deep Learning in Medical Imaging Focusing On MRI	DL
97	Brain Tumour Image Segmentation Using Deep Networks	DL
98	Fake Image Identification	DL
99	Illegal Fishing Detection	ML
100	Image Search Engine Using DL	DL



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101	Low Light Image Enhancement	DL
102	Multilabel Image Classification Using CNN	DL
103	Detection Of Non-Helmet Riders and Extraction of License Plate Number Using Yolo V2 And OCR Method	DL
104	Prediction of loan eligibility of the customer	ML
105	Fake Currency Detection Using Image Processing	DL
106	Facial Emotion Recognition of Students Using Convolutional Neural Network With Emoji	DL
107	Cyber Threat Detection Based on Artificial Neural Networks Using Event Profiles	ML & DL
108	Detection Of Cyber Attack In Network Using Machine Learning Techniques	ML
109	Breast Cancer Detection Using Deep Learning	DL
110	Skin Disease Classification Using DL	DL
111	A Machine Learning-Based Lightweight Intrusion Detection System for The Internet of Things	ML
112	Detection Of Employee Stress Using Machine Learning	ML
113	Automatic Detection of Genetic Diseases in Paediatric Age Using Pupillometry	DL
114	Data Analytics in Mental Healthcare	ML
115	Blood Cell Types Classification Using CNN	DL
116	Prediction And Providing Medication for Thyroid Disease Using Machine Learning Technique (SVM)	ML
117	TEXT And IMAGE Plagiarism Detection	ML
118	Using Deep Learning to Predict Plant Growth and Yield in Greenhouse Environments	DL
119	Crop Yield Prediction Using RNN, Feed Forward and LSTM Neural Network	DL
120	Understanding The Timing of Eruption End Using a Machine Learning Approach to Classification of Seismic Time Series	ML
121	Machine Learning Methods for Attack Detection in The Smart Grid	ML
122	Quantifying Covid-19 Content In The Online Health Opinion War Using Machine Learning	ML
123	Identification Of Plants Leaf Diseases Using Machine Learning Algorithms	ML
124	Spam Detection for YouTube Comments	ML
125	Machine Learning Based Health Prediction System Using IBM Cloud as Pass	ML
126	Detection And Classification of Fruit Diseases Using Image Processing & Cloud Computing	ML
127	Image Classification of The Flower Species Identification Using Machine Learning	ML
128	Performance Evaluation of Machine Learning Algorithms For Disease Prediction	ML
129	A Driving Decision Strategy (DDS) Based on Machine Learning for An Autonomous Vehicle	ML
130	DeepAge: Deep Learning of Face-Based Age Estimation	DL
131	Healthy Leaves Detection Using Multi SVM Approach	ML
132	Predicting The Rice Leaf Diseases Using CNN	ML
133	Image Classification of Abnormal Red Blood Cells Using Decision Tree Algorithm	ML
134	A Malware Detection Method for Health Sensor Data Based on Machine Learning	ML



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135	Crude Oil Prices Forecast Based on EMD And BP Neural Network	ML
136	Grape Leaf Disease Identification Using Machine Learning Techniques	ML
137	Heart Disease Identification Method Using Machine Learning Classification In E-Healthcare	ML
138	Prediction Of Hepatitis Disease Using Machine Learning Technique	ML
139	Red Wine Quality Prediction Using Machine Learning Techniques	ML
140	An Approach for Prediction of Loan Approval Using Machine Learning Algorithm	ML
141	Clustering-Based Speech Emotion Recognition by Incorporating Learned Features and Deep Bi-LSTM	DL
142	Blood Group Detection Using Deep Learning	DL
143	Diagnosis Of Alzheimer Disease Using Deep Learning Approaches	DL
144	Missing Child Identification System Using Deep Learning and Multiclass SVM	ML & DL
145	A Machine Learning Based Lightweight Intrusion Detection System for The Internet of Things	ML
146	A Novel Implementation of Robust Ct scan Based Brain Diagnosis Process Using CNN GB Technique	DL
147	Robust and Secure Data Transmission Using Artificial Intelligence Techniques in Ad-Hoc Networks	ML & DL
148	Effective Heart Disease Prediction Using Hybrid Machine Learning Techniques	ML
149	A Honeypot with Machine Learning Based Detection Framework for R Defending IoT Based Botnet DDOS Attacks	ML
150	Monitoring Covid-19 Social Distancing with Person Detection and Tracking Via Fine-Tuned Yolo V3 And Deep Sort Techniques	DL
151	Detection Of Malicious Code Variants Based on Deep Learning	ML
152	Image Security Using Artificial Neural Networks	ML
153	Comparison Of Machine Learning Methods for Breast Cancer Diagnosis	ML
154	Credit Card Fraud Detection Using Random Forest Algorithm	ML
155	Personalized Affective Feedback to Address Students' Frustration in Its	ML
156	Android Malware Detection Using Genetic Algorithm Based Optimized Feature Selection and Machine Learning	ML
157	Classifying Fake News Articles Using Natural Language Processing to Identify In-Article Attribution as A Supervised Learning Estimator	NLP
158	Cognitive Agent System to Retrieve Relevant Code Components from A Repository	ML
159	A Machine Learning Model for Average Fuel Consumption in Heavy Vehicles	ML
160	Software Defect Analysis Using Machine Learning Algorithms	ML
161	A Decision Tree Based Recommendation System for Tourists	ML
162	Performance Analysis of Machine Learning Techniques to Predict Diabetes	ML
163	Stock Market Prediction Using KNN	ML
164	Predict Influencers In The Social Network	ML
165	Chronic Kidney Disease Analysis Using Data Mining Classification Techniques	ML
166	Detection of Fake Online Reviews Using Semi-Supervised and Supervised Learning	ML
167	Spammer Detection and Fake User Identification on Social Networks	ML
168	Sentiment Analysis Using Telugu Sent wordnet	ML





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169	Cartooning Of an Image/Video	AI
170	Influences In Social Networks	ML
171	Object Tracking from Video	AI
172	Bird Species Identification Using Deep Learning	DL
173	A Review on Diagnosis of Nutrient Deficiency Symptoms in Plant Leaf Image Using Digital Image Processing	ML
174	5G-Smart Diabetes: Toward Personalized Diabetes Diagnosis with Healthcare Big Data Clouds	ML
175	Forecasting Crude Oil Prices: A Deep Learning Based Model	ML
176	MamaBot A System Based on ML and NLP for Supporting Women and Families during Pregnancy	ML & NLP

### Why Choose CEGON TECHNOLOGIES?

- Industry-Leading Faculty: Learn from experts with over 10 years of industry experience.
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### PROJECT SUPPORT TO REGISTERED STUDENTS

DOCUMENT INFORMATION	PROJECT CLASS INFORMATION
IEEE Base Paper (IF AVAILABLE)	Project Domain Explanation
Abstract.	Title Explanation
Future Enhancement (based on Requirement).	Frontend Explanation: a. Framework Explanation b. File structure Explanation
Modified Title / Modified Abstract (based on Requirement).	How to run the output
<ul style="list-style-type: none"><li>• Complete Source Code.</li><li>• Final Report / Document</li><li>• Review PPTS and Documents.</li><li>• Documentation.</li></ul>	Output Explanation: a. Modules Explanation in detail b. Algorithm Metric Explanation (Accuracy, Precision, Recall, F1-Score, MSE, MAE, etc...) c. Graph Explanations
<ul style="list-style-type: none"><li>• How to Run execution help file (Video File)/Class Recordings.</li><li>• International Journal/UGC Care/SCOPUS Publication based on your project.</li><li>• Plagiarism Report.</li></ul>	Code Explanation 1. Libraries explanation used in the project 2. Important methods in the project 3. Algorithm code explanation in detail 4. Frontend Code Explanation.



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