

Guda Sri Venkata Prabhas

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Education

Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India. Dec 2021 - May 2025
Bachelor of Technology, Artificial Intelligence and Machine Learning , CGPA: 8.73

Narayana Junior College, Kandukur, Andhra Pradesh, India Jun 2019 - Apr 2021
Intermediate Education (BIEAP), Percentage: 96.1

Narayana EM High School, Kandukur, Andhra Pradesh, India Jun 2009 - Mar 2019
High School Education (BSEAP), CGPA: 10

Projects

Chatbot using IBM Watson Assistant

- Developed and deployed a chatbot with IBM Watson Assistant as a part of IBM's "Build Your Own Chatbot - Level 1" program.
- Deployed the bot in an ability that was able to handle repetitive queries through contextual conversation flow and multi-turn dialog and intent.
- For ease of user interaction and demonstration, the chatbot was operating in a basic web user interface.

IoT-based Air Pollution Monitoring System

- Designed an IoT setup with MQ135, MQ2, and DHT11 sensors to provide real-time air quality monitoring.
- Provided warnings on an LCD screen and buzzer when pollution levels crossed safe limits, and showed data on a web interface through Flask Backend.
- Present data visualization of historical air quality trends of the past and performed predictive analytics with a view to forecasting future pollution using Random Forest Regressor to enable users to gain insight into proactive health and environmental measures.

Anomaly Detection in Smart Grids using Deep Learning

- Implemented a smart grid monitoring system based on KMeans clustering and Autoencoders in order to identify anomalous power grid data in real-time.
- Applied Artificial Neural Networks (ANN) and XGBoost for real-time stability prediction.
- Employed a Flask-based backend with RESTful APIs and a React dashboard for real-time visualization, alerting, and tracking historical data.

Skills

- Programming Languages** : Python, Java
- Database Management** : SQL
- Course Work** : DBMS, OOPS, Operating System, Machine Learning, Computer Networks

Certifications

- Google Cloud Computing Fundamentals - Google Cloud
- Smart Coder - Smart Interviews
- Excel Skills for Business: Essentials - Macquarie University
- Artificial Intelligence Fundamentals - IBM
- Build Your Own Chatbot - Level 1 - IBM
- PCAP: Programming Essentials in Python - Cisco Networking Academy