

MOSA PRAVEEN

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Education

Seshadri Rao Gudlavalleru Engineering College
B.Tech in Computer Science and Engineering

August 2022 – Present
Gudlavalleru, India

TECHNICAL SKILLS

Programming Languages

C, Python, Java

Frontend Technologies

HTML5, CSS3, JavaScript

Tools

VS Code, GitHub, Jupyter Notebook, Orange

Internship

Machine Learning-Intern

May 2024 – July 2024
Remote

- Gained hands-on experience in designing, training, and evaluating supervised and unsupervised learning models.
- Performed data preprocessing, feature selection, and model assessment.
- Implemented ML solutions to address real-world challenges through project-based work.

Generative AI with IBM Cloud

May 2025 – July 2025
Remote

- Acquired hands-on experience in prompt engineering, model fine-tuning, and deployment.
- Utilized advanced AI frameworks to produce high-quality text, image, and multimedia outputs.
- Applied generative techniques to solve real-world challenges in innovative ways.
- Enhanced technical and analytical skills through project-based learning.

Projects

Sustainable Smart City Assistant

Developed an AI-powered platform using IBM Granite LLM with Streamlit UI, backend APIs, and Pinecone for fast data access. Utilized predictive analytics to forecast energy usage, resource needs, and environmental trends. Integrated a chatbot for real-time insights and sustainability reporting.

Student Performance Prediction

Implemented a predictive analytics model using Python, Pandas, and Scikit-learn to forecast student performance in entrance exams, enabling personalized improvement strategies based on data-driven insights.

OTP Generation

Built a web-based OTP system with time-bound expiration, one-time usability, and enhanced security using HTML, CSS, and JavaScript.

Certificates

- Python – HackerRank, 2024
- Social Networks – NPTEL, 2024
- Python – GeeksforGeeks, 2025
- Java – HackerRank, 2025