PRAVEENA PANTHAM

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in Linkedin Profile | Github Profile

OBJECTIVE

Computer Science student with strong Python programming and exposure to Machine Learning, AI, and EdgeAI concepts. Eager to contribute to AI/ML model development, data analysis, and computer vision projects while learning and growing in a collaborative environment.

EDUCATION

Bachelor of Technology in Computer Science Engineering, Sagi Rama Krishnam Raju   2022 – 2026
Engineering College, Bhimavaram

Current CGPA: 8.96

Intermediate Education (MPC), Sri Chaitanya Junior College, Tuni   2020 – 2022

Percentage: 96.8%

PROJECTS

AI Automation Workflows (MCP + Cursor IDE)   *LinkedIn Post | Cursor IDE*

- Built AI-driven automation workflows using Cursor IDE, MCP, and Pipedream APIs.
- Implemented NLP-based email drafting, automated LinkedIn posting, and a real-time railway enquiry bot.
- Streamlined repetitive tasks, reducing manual effort and response time.

AI-Powered Learning Tools (MCP + APIs)   *Live Demo*

- Developed a Learning Path Generator using Gemini API, YouTube, and Google Drive MCPs.
- Implemented NLP-based content extraction and personalized study recommendations.
- Integrated Eleven Labs API for text-to-speech, enabling voice-based learning support.

Movie Recommendation System (Python, Streamlit, scikit-learn, TMDB API)   *GitHub Link*

- Built a content-based movie recommendation engine using cosine similarity and TF-IDF vectorization on 5,000+ movies.
- Integrated TMDB API to fetch high-quality movie posters dynamically.
- Developed an interactive Streamlit UI for real-time movie search and personalized recommendations.

Job Portal (MERN Stack)   *GitHub Link*

- Developed a MERN-stack job portal with role-based authentication, job postings, resume uploads, and responsive UI using React, Tailwind, Express, and MongoDB.

E-Commerce Website (PHP + MySQL)   *GitHub Link*

- Built a full-featured e-commerce website with user login, shopping cart, and admin product dashboard using PHP, MySQL, and responsive front-end design.

SKILLS

Programming: Python, C++
AI/ML & Frameworks: Machine Learning, NLP, NumPy, pandas, scikit-learn
Tools: Git, GitHub, Visual Studio Code, Jupyter Notebook
Web & Databases: HTML, CSS, JavaScript, React.js, Node.js, MySQL, MongoDB
Soft Skills: Problem-solving, Communication, Self-learning, Adaptability

CERTIFICATIONS

Foundation of Cloud IoT Edge ML (Edge AI concepts): By NPTEL – AICTE
Data Science For Engineers (Machine Learning fundamentals): By NPTEL – AICTE
Data Science with Python: By edX - HarvardX
Programming & Databases: C++ Essentials (Cisco), Introduction to Databases (NxtWave)

ACHIEVEMENTS

- **Shortlisted – Flipkart GRiD 7.0 (Software Development Track)** a national-level tech competition on coding.
- **HackWithInfy 2025–** Qualified for Round 2 (Semi-Finale).
- **Participant – Adobe India Hackathon (Round 1)** national-level Online MCQ + Coding Assessment round.

CO-CURRICULAR ACTIVITIES

- **Organizer – ISTE Nipuna 2025** Coordinated event logistics, managed registrations, and supported smooth execution of SRKR's annual technical fest, enhancing organizational and teamwork skills.
- **ML-CONNECT Workshop 2023** – Participated & gained hands-on experience in machine learning concepts at our college.