

YALAVARTHY GANGADHARARAO

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CAREER OBJECTIVE

A passionate and detail-oriented Computer Science graduate specializing in Full Stack Development and Artificial Intelligence/Machine Learning. Skilled in HTML, CSS, JavaScript, React.js, Python, Django, and MySQL, with experience developing RESTful APIs, responsive UIs, and scalable backend systems. Hands-on experience in building AI/ML models, data preprocessing, predictive analytics, and Generative AI applications. Eager to contribute to innovative projects, enhance user experiences, and grow within a dynamic, learning-driven organization.

EDUCATION

Seshadri Gudlavalleru Engineering College, Gudlavalleru, Krishna

2021 - 2025

Bachelor of Technology in Computer Science and Engineering

CGPA: 7.86 / 10

INTERSHIP

Data Analytics Intern | SmartBridge Pvt. Ltd. | Nov 2024 – Apr 2025 (Remote)

- Utilized SQL, Python (Pandas, NumPy) for data extraction, transformation, and aggregation across multiple sources.
- Built Excel and Power BI dashboards to monitor key operational KPIs, improving visibility into performance trends.
- Automated data validation scripts using VBA and Python, enhancing reporting accuracy by 20%.
- Collaborated cross-functionally to support business decisions through data-driven insights and trend analysis.
- Worked in an Agile environment using Git for version control and documentation.

TECHNICAL SKILLS

- Frontend:** HTML, CSS, JavaScript, React.js
- Backend:** Python, Django, Flask
- Python Libraries:** Numpy, Pandas, Seaborn, Matplotlib and Scikit-learn
- Database:** MySQL, MongoDB
- Tools:** Git, VS Code, Jupyter Notebook
- AI Skills:** Generative AI, Agentic AI, NLP, OCR
- Core Concepts:** REST APIs, Responsive Design, API Integration

PROJECTS

AI-Powered Document Q&A Chatbot (FastAPI, PyMuPDF, pytesseract, python-docx, DeepSeek API)

- Processed and structured large document datasets using OCR and NLP techniques with 98% accuracy.
- Leveraged SQL for efficient data indexing and retrieval, supporting analytical data workflows.
- Processed large-scale documents using OCR and NLP to deliver accurate, data-backed insights.
- Developed backend using FastAPI to manage real-time data queries and ensure operational reliability.

Resource Management Portal (Python | Django | SQLite | Git)

- Designed and developed a Django-based full-stack web application for inventory and resource tracking.
- Built and integrated RESTful APIs and role-based authentication for secure data access.
- Implemented CRUD operations and optimized backend logic, improving performance by 15%.
- Collaborated via Git repositories, following version control best practices and code reviews.

Automated Attendance System Using Face Recognition(Python, Flask, TensorFlow, OpenCV, Keras, OpenPyXL)

- Engineered a real-time facial recognition attendance system using Inception V3 and CNN models.
- Built a Flask-based web interface for user registration, model training, and live attendance capture, achieving 95% recognition accuracy and supporting 500+ daily users.
- Integrated webcam data capture with image augmentation, improving model accuracy by 12%.
- Automated attendance logging and analytics using Pandas and Matplotlib, reducing manual effort by 80%.

CERTIFICATIONS

- Achieved certification on Generative AI from Oracle.
- Successfully achieved certification on Machine Learning from Edx.

SOFT SKILLS

Analytical Thinking | Problem Solving | Communication | Debugging Mindset | Time Management