PEMMADI BALU

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🔗 github.com/PemmadiBalu 🔗 pemmadibalu.github.io/portfolio

PROFESSIONAL SUMMARY

Python Developer & AI Engineer skilled in Flask, REST APIs, SQL, Pandas, TensorFlow, and real-time AI applications. Strong ability to develop end-to-end projects such as Resume Analyzer, Chatbots, and CNN models. Passionate about solving business problems using data and automation.

SKILLS

- Programming: Python, SQL, JavaScript (basics)
- Web Technologies: Flask, React.js, HTML, CSS, REST APIS
- AI/ML: TensorFlow, Scikit-learn, NumPy, Pandas, Matplotlib, OpenCV, Deep Learning, NLP
- Technologies: Machine Learning, Deep learning, NLP, Power BI, microsoft excel, microsoft word
- Tools/Platforms: Git, GitHub, Jupyter Notebook, VS Code
- Soft Skills : Leadership, Problem-Solving, Team Management, Creativity, Smart Working

PROJECTS

Resume Analyzer
Resume Analyzer - Developed a full-stack Resume Analyzer using React.js (frontend) and Flask (backend) with RESTful APIs to enable ATS-based resume screening and real-time feedback. Implemented automated scoring with 90% accuracy in skills extraction and keyword relevance.

AI-Powered Telegram Educational Chatbot
Developed an AI-powered Telegram educational chatbot with real-time, 95% accurate responses and conversation-saving functionality using Python and Tkinter.

COVID-19 Detection Using Chest X-ray Images
Designed a CNN-based deep learning model using transfer learning and Grad-CAM to detect COVID-19 from chest X-rays with 95% accuracy. Implemented with Python, TensorFlow/Keras, CNN, NumPy, Pandas, Scikit-learn, OpenCV, and developed in Jupyter Notebook & VS Code.

INTERNSHIP EXPERIENCE:

AICTE-Eduskills UiPath RPA Virtual Internship | July – Sep 2024.
Automated repetitive workflows reducing manual effort

Salesforce Developer Virtual Internship | Oct – Nov 2023.
Automated CRM processes using Apex and Flows and completed Super modules

Google Ai/Ml Virtual Internship | Oct – Dec 2024.
Built ML models and evaluated metrics for real-time use cases

EDUCATION

Bachelor of Technology (B.Tech) in Computer Science and Engineering (Artificial Intelligence & Data Science) (2021 – 2025)
Kakinada Institute of Engineering and Technology, JNTUK University | CGPA: 7.38

CERTIFICATES

Python Programming: Edyst.
Infosys: Machine Learning with Go
OneRoadMap: Ai and Data Scientist
AWS Training and Certification -
Generative Al Basics

ACHIEVEMENTS

Participated in INEURON 24-hour Hackathon and delivered innovative Al solution