PEMMADI BALU

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PROFILE

Enthusiastic Computer Science student specializing in AI, Data Science, Web Development, and Data Analysis. Skilled in Python, Flask, Machine Learning, LLMs, and front-end technologies for building AI-powered and data-driven applications. Passionate about solving real-world problems through innovative and intelligent solutions.

SKILLS

Programming Languages & Frameworks: — Python, Flask, SQL, HTML, CSS, JavaScript, ReactJS (Basic)

Machine Learning & AI: — Pandas, NumPy, Matplotlib, Seaborn, NLP, Scikit-Learn, LLMs

Tools: — Jupyter Notebook, VS Code, PyCharm, Git, GitHub, Microsoft Office Suite , Power Bi

PROJECTS

GUI Calculator
Developed a user-friendly calculator using Python and Tkinter, achieving 100% accuracy in basic and advanced calculations.Python, Tkinter, VS Code

AI-Powered Chatbot
Developed a chatbot with real-time responses and conversation-saving capabilities using Python and Tkinter, achieving 95% response accuracy.

AI-Powered Telegram Educational Chatbot
Developed a Telegram chatbot using Python to share educational content and handle user feedback through interactive commands, achieving over 90% user query response accuracy.Python, python telegram-bot, async/await, VS Code

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, achieving over 95% classification accuracy. Python, TensorFlow/Keras, CNN, NumPy, Pandas, Scikit-learn, OpenCV, Jupyter Notebook, VS Code

EDUCATION

B.Tech, CSE (Artificial intelligence& Data Science) | 2021 – 2025
Kakinada Institute of Engineering and Technology, JNTUK | CGPA: 7.38

Intermediate (M.P.C Stream) | 2019-2021
PR Government Junior Boys College | CGPA: 5.72

SSC
Marga Darshi High School | CGPA: 9.2

CERTIFICATES

- Python Programming | Edyst.
- Infosys | Machine Learning with Go
- Aws(training and certification) | Genrerative Ai

VIRTUAL INTERNSHIP

Salesforce Developer Virtual Internship | 10/2023 – 11/2023

AWS Cloud Virtual Internship | 10/2024 – 12/2024

AICTE-Eduskills UiPath RPA Virtual Internship | 07/2024 – 09/2024