Balu Pemmadi

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Professional Summary:
Enthusiastic Computer Science student specializing in AI, Data Science, and Front-End Development. Experienced in Python, TensorFlow, and NLP, building AI-powered solutions and solving real-world problems. Passionate about using data analytics and AI to create innovative, user-friendly applications. Eager to contribute to dynamic teams and grow in data-driven, AI-focused roles.

Education

B.Tech, CSE (Artificial intelligence& Data Science)
-Kakinada Institute of Engineering and Technology (2021–2025) | CGPA: 7.38
Intermediate (M.P.C Stream)
-PR Government Junior Boys College (2019–2021) | CGPA: 5.7
SSC
-Marga Darshi High School (2019) | CGPA: 9.2

Technical Skills

Languages: Python, SQL, HTML, CSS, Js (basic)

Libraries/Frameworks: Pandas, NumPy, Matplotlib

Technologies: Machine Learning, Deeep Learning, NLP.

Tools: Jupyter Notebook, VS Code, Git, Microsoft Office

Platforms: Windows OS

Projects

Final Year Project – COVID-19 Detection Using Chest X-ray Images
-Designed and implemented a deep learning model using CNN and transfer learning to accurately detect COVID-19 from chest X-rays. Utilized Python, TensorFlow, and Grad-CAM for model training, prediction, and visual explanation.
Tools & Technologies: Python, TensorFlow/Keras, CNN, NumPy & Pandas, Scikit-learn, OpenCV , Jupyter Notebook , Vs code.
GUI Calculator
- Developed a user-friendly calculator with Python and Tkinter.
AI-Powered Chatbot.
- Created a chatbot with real-time responses and conversation-saving capabilities using Python and Tkinter.

Certifications

-Python Programming | Edyst

-Infosys – Machine Learning with Go

-AICTE-Eduskills UiPath RPA Virtual Internship | July – Sep 2024.

-Salesforce Developer Virtual Internship | Oct – Nov 2023.

-AWS Cloud Virtual Internship | Oct – Dec 2024.

Achievements:

-Participated in INEURON 24-hour Hackathon and developed an innovative solution under time constraints.