

Balu Pemmadi

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Professional Summary:

Enthusiastic Computer Science student specializing in AI, Data Science, and Web Development. Skilled in Python and front-end technologies, with experience building AI-powered solutions and data-driven applications. Passionate about solving real-world problems and contributing to innovative, AI-focused teams.

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, JavaScript (basic)

Libraries/Frameworks: Pandas, NumPy, Matplotlib

Technologies: Machine Learning, Deep Learning, NLP

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

Platforms: Windows OS

Projects

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.

AI-Powered Telegram Educational Chatbot

-Developed a Telegram chatbot using Python to share educational content and handle user feedback through interactive commands, using python-telegram-bot, async/await, and 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 with TensorFlow and Python using Python, TensorFlow/Keras, CNN, NumPy & Pandas, Scikit-learn, OpenCV, Jupyter notebook ,Vs code.

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.