KrishnaVardhan Reddy Ponaka

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Objective

Aspiring Computer Science and Artificial Intelligence graduate with a strong foundation in programming, web technologies, and machine learning. Seeking an opportunity to apply my technical and analytical skills to innovative projects, contributing to organizational success while enhancing my expertise in cutting-edge technologies.

Education

PBR Visvodaya Institute of Technology and Science　　*2021 – 2025*
BTech in Computer Science and Engineering (AI)

- GPA: 8.9/10.0

Sri Chaitanya junior collage, kavali　　*2019 – 2021*
Intermediate (MPC)

- GPA: 9.7/10.0

RR English Medium High school　　*2018 – 2019*
Secondary School certificate (SSC)

- GPA: 9.8/10.0

Internship Experience

AI Intern　　*sep 2024 – Ongoing*
Infosys Springboard

- Developed and implemented object detection models using deep learning frameworks such as TensorFlow and PyTorch, enhancing the accuracy and efficiency to 90%
- Utilized OpenCV and other computer vision tools to preprocess and annotate large datasets of over 10,000 images, ensuring high-quality input data for training and validation processes.
- Worked extensively with different models including YOLO, RCNN, Faster RCNN, and Fast RCNN, continuously striving to improve model accuracy and performance.

Projects

Medical Chatbot　　*github.com/med-bot* ↗

- Developed a medical chatbot utilizing a Retrieval-Augmented Generation (RAG) model, leveraging a comprehensive medical encyclopaedia as the primary knowledge source.
- Implemented natural language processing (NLP) techniques to improve the chatbot's understanding of user queries and generate coherent, informative replies.
- **Tech Stack:** RAG , Python, Pinecone vector store, NLP, ChatGPT API.

AI-Driven Quiz APP　　*github.com/GQuiz* ↗

- Designed and developed a quiz application that empowers teachers to generate AI-based quizzes using Vertex AI, Firebase for seamless quiz distribution to students and real-time data synchronization.
- Developed a comprehensive analysis feature that provides teachers with detailed performance insights, helping to identify student strengths and areas for improvement.
- **Tech Stack:** Android, Firebase, Google cloud vertex AI model

Skills

Programming Languages: C++, Java, C#, Python

Databases: MySql, MongoDB

Web Technologies: HTML, CSS, JavaScript, ReactJS

Operating Systems: Linux, Windows

Others: Shell Scripting, Infrastructure, Google Cloud