Alluri Varun Reddy

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EDUCATION

Institute of Aeronautical Engineering, Hyderabad	2022–2026
Bachelor of Technology - Computer Science and Engineering (AIML)	CGPA: 8.02
Narayana Junior College, Hyderabad	2020–2022
Telangana State Board of Intermediate Education – MPC	89.9%
SR Prime High School, Mavala	2020
State Board of Secondary Education	CGPA: 10

TECHNICAL SKILLS

Languages/Databases: Python, Java, PostgreSQL
Web Technologies & Cloud Tools: HTML, CSS, Heroku, Docker
AIML Technologies: Gen AI, Transformers Architecture
Tools: Figma, Git, GitHub, Gitkraken, Linux

INTERNSHIPS

Jupitos Technologies LLC | Python Developer   **Jan. 2025 – Present**

- Integrated STT and TTS features to create a seamless communication experience.
- Developing an AI-powered HR recruiter application that integrates intelligent agents for candidate selection and interaction.

Intel Unnati | Machine Learning Developer   **May 2024 – July 2024**

- Operated a deep learning model using CUDA and OpenCV to enhance blurry or pixelated images.
- Trained on 4,000–5,000 images with 10,000+ steps, achieving high clarity and accuracy.

PROJECTS

Medical RAG Application   **Feb. 2025 – April 2025**

- Designed and implemented RAG application using FASTAPI for back-end API'S and streamlit for front-end interface.
- Integrated these with LLM to enable real-time semantic search over custom document datasets.
- For faster and more accurate results, we used vector DB for embedding-based retrieval.
- Developed an interactive user interface allowing users to query the system intuitively and receive contextually relevant, LLM-generated responses grounded in external knowledge sources.

Web Scraper Bot | IARE CMS   **Aug. 2023 – Sep 2024**

- Developed a Python bot to scrape attendance/biometric data from Samvidha and store it in a PostgreSQL database.
- Collaborated with teammates to resolve UX issues, ensuring that key features were easily accessible within the range of the user.
- The simplified interface to reduce user confusion and increase engagement resulted in a significant increase in daily-active users after implementation.

CERTIFICATIONS

Image Processing Certification from Intel Unnati	July 2024
Gen AI Study Jam Certification by Google	May 2024
Machine Learning Certification by IBM	Apr 2024
Programming Essentials in Python (PCAP) from CISCO	Feb 2024