Jarupula Prudhvi

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https://github.com/Prudhvi8186

Objective

Computer Science student seeking an entry-level role as a Software Developer . Proficient in Java, web technologies (HTML, CSS), and backend frameworks such as FastAPI. Eager to contribute to the development of scalable and efficient software solutions.

Skills

Languages and Web Technologies: C, Java, Python, SQL, HTML, CSS

Tools and Frameworks: FastAPI, Oracle DB, SQL Server, Git

Education

Jawaharlal Nehru Technological University, Hyderabad
Sphoorthy Engineering College, Computer Science
- CGPA: 7.82
- **Coursework:** Computer Architecture, Comparison of Learning Algorithms, Computational Theory

Telangana State Board of Intermediate Education, Chaitanya Junior College – MPC Stream
- CGPA: 8.54
- **Coursework:** Problem Solving, Physics

Certifications

- Certified in **Artificial Intelligence** by **IBM**
- Certified in **Machine Learning Algorithm** by **simpl;learn**
- Certified in **Java (Basics)** by **HackerRank**

Projects

Advanced Gesture Based Volume Controller
- Developed a gesture-based volume control system using MediaPipe and ML.
- Achieved real-time tracking with OpenCV and latency optimization.
- Integrated cross-platform audio control on mobile, PC, and infotainment.
- Improved robustness via preprocessing, model tuning, and testing.
- Tools: Python, MediaPipe, OpenCV, TensorFlow Lite, FastAPI.

Automated Medical Prescription Validation System
- Built an AI-powered prescription validation system using LLMs (GPT, Gemini)
- Integrated drug databases and patient data for accurate checks.
- Used OCR and NLP to process handwritten and digital prescriptions.
- Designed multilingual, patient-friendly web and mobile interfaces.
- Tools Used: Python (Flask, FastAPI), OCR, OpenCV, spaCy, Transformers (BioBERT, GPT, Gemini), RxNorm, DrugBank

Internships

- Completed **Artificial Intelligence Internship** via **Compalin Innovations**
- Completed **Celonis Process Mining Virtual Internship** via **Eduskills**
- Completed **Google AI-ML Virtual Internship** via **Eduskills.**