Aasrith Reddy

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Summary

Technology enthusiast with hands-on experience in backend development, web technologies, and AI-based applications. Eager to apply my skills in real-world projects and continue learning through challenging opportunities.

Education

Vasavi College of Engineering, BE in Electronics & Communication Engineering   Nov 2021 – May 2025
- GPA: 8.59/10.0

Skills

Programming Languages	C, C++, Verilog, Python, GoLang, Javascript
Technical Skills	OOP, Data Structures, SQL, Deep Learning,NodeJs,Express.js,Git,Redis
Soft Skills	Problem Solving, Teamwork, Adaptable

Projects

Conversational IPL Chatbot with LangGraph Routing, Stat Extraction, and Live Match Data via FastAPI   Mar 2025 – April 2025
- Built a modular chatbot system for IPL insights using LangGraph and FastAPI.
- Implemented dual stat-fetching approaches: one using CSV-based season-wise data and another with dynamic query parsing
- Integrated player biography extraction via Wikipedia API with fallback handling for name mismatches.
- Added real-time score retrieval using CricAI API for live match and score updates
- Developed FastAPI backend to handle query parsing, tool routing, and response generation.
  Technologies: LangGraph, FastAPI, Pandas, Wikipedia API, CricAI API, Python

Comprehensive Clothing Detection and Classification with YOLO and Advanced CNNs, Coupled with a React-FastAPI UI   Nov 2024 – Mar 2025
- Built a two-stage pipeline for clothing attribute recognition using detection and classification
- Trained YOLO on a custom dataset to detect seven clothing categories
- Fine-tuned InceptionResNetV2, InceptionV3, and VGG16 using ImageNet weights and achieved 96.61% ,92.61% , 92.61% accuracy respectively.
- Created and labeled a custom dataset for accurate attribute classification
- Combined detection and classification into a real-time, scalable system.

  Technologies: YOLOv8, TensorFlow, Keras, FastAPI, React, Python

EXTRA-CURRICULAR ACTIVITIES

- Winners at College Level Cricket Tournament and Runners at Intra-College Tournament.
- Developed photography skills through active participation in a **Photography Club** (2022-2023).

Achievements and Certifications

- Completed NPTEL certifications in C (Elite) and Digital Design with Verilog.
- Competitive coding –Leetcode, Codechef (2022-present).