

Aasrith Reddy

Hyderabad / aasrithreddy399@gmail.com / 9381241869

Objective

Aspiring computer science professional eager to contribute to software development and AI solutions. Seeking opportunities to leverage my skills to drive technological innovations.

Education

Vasavi College of Engineering, BE in Electronics and Communication Engineering Nov 2021 – May 2025

- GPA: 8.56/10.0

Sri Chaitanya Junior College, Intermediate

May 2019 – April 2021

- Percentage : 98.6/100

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

Nightwatchman – A Distributed Rate-Limited API Gateway

Feb 2025 – April 2025

- Reduced API abuse and improved backend stability by implementing a distributed rate limiter using Redis and a token bucket algorithm.
- Developed a lightweight Go API gateway with middleware for auth, routing, and throttling
- Containerized with Docker Compose and automated testing/builds via Jenkins CI.

Comprehensive Clothing Detection and Classification with YOLO and Advanced CNNs, Coupled with a React-FastAPI UI

Nov 2024 – March 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.

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).

