Harshavardhan Reddy

harshareddy.bathala@gmail.com | 7676 062076 | Portfolio
linkedin.com/in/harhsareddy19 | github.com/harhsareddy-bathala

Introduction

Computer Science student focused on AI, DevOps, and automation. Passionate about building intelligent, real-world systems.

Education

Nettur Technical Training Foundation, Diploma in Computer Science   June 2024 – Present
- GPA: 9.43/10
- **Coursework:** Data Structures & Algorithms, Operating Systems, Computer Networks, Database Systems, OOP, Cloud Computing, Machine Learning, DevOps

Projects

QuantumFacts — Automated YouTube Shorts Generator   github
- Built a pipeline that generates full YouTube Shorts autonomously — script → voiceover → video edit → export pipeline output
- Fully automated content generation using LLM scripts, FFmpeg video composition, and scheduling pipelines — eliminating manual editing and enabling scalable media automation
- Key Impact: Demonstrates AI workflow engineering, automation, media processing
- Tools Used: Python, FFmpeg, AI APIs, Automation

Medium Clone — Serverless Blogging Platform   github
- Blogging platform with authentication, post management, and responsive UI
- Serverless backend using Cloudflare Workers for fast and scalable execution
- Key Impact: Modern full-stack + cloud + serverless experience
- Tools Used: React, TypeScript, Cloudflare Workers, PostgreSQL

AuraType — AI Autocomplete Browser Extension   github
- Local-ML powered Chrome extension for AI text suggestions; all AI inference runs on-device ensuring privacy
- Key Impact: Local AI, privacy-first ML applications, browser extension engineering
- Tools Used: Svelte, JavaScript, TensorFlow.js, Chrome APIs

RandoRoute — AI-Based Travel Discovery App *(In Progress)*   github
- Recommends random travel places, calculates fuel costs, and suggests routes
- Intelligent trip suggestions based on preference inputs
- Key Impact: AI + mobile + Location API + user utility app
- Tools Used: Flask, React Native, Google Maps API, PostgreSQL

Certifications and Badges

OCI Generative AI Professional	Oracle
OCI Data Science	Oracle
CCNA: Enterprise Networking & Security	Cisco

Technologies

Languages: Python, C, C++, Java, JavaScript/TypeScript, SQL, Bash
Tools/Tech: Docker, GitHub Actions, Cloudflare, Flask, React, Node.js, PostgreSQL, Linux

Summary

Actively building AI-automation and DevOps projects; exploring MLOps, system design, and cloud deployment.