

Harshavardhan Reddy

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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.