

YARRAMADA HARISH REDDY

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Summary

Software Developer with hands-on experience in full-stack web applications, AI/ML, and system-level fundamentals including OS, DBMS, and networking. Strong foundation in DSA, problem-solving, and cloud deployment. Passionate about building next-gen compute and visualization platforms through scalable, optimized, and secure solutions. Open to feedback, adaptable, and eager to learn in globally diverse teams.

Technical Skills

Languages: Python, Java, JavaScript, C

Core CS: Data Structures & Algorithms, Operating Systems, Computer Networks, DBMS

Front-End: React.js, HTML5, CSS3, Bootstrap, Flexbox, Grid

Back-End: Node.js, Express.js, REST APIs, JWT, NodeMailer

Databases: MySQL, MongoDB

Tools & Platforms: Git, GitHub, Postman, Cloudinary, Firebase, Vercel , Render

Other: API Testing, Agile (Scrum), Software Development Lifecycle, basics of **Linux/Unix**

Education

Malla Reddy College of Engineering & Technology

Expected: May 2026

Bachelor of Technology in Computer Science Engineering | CGPA: 9.11

Telangana Social Welfare Residential Junior College

2020 – 2022

Intermediate - MPC | Aggregate: 96%

Navodaya High School

2019 – 2020

Aggregate: 9.7 CGPA

Projects

BlogBase – Full Stack Blog Platform

Feb 2025 – Apr 2025

- Build a blog application using **React.js**, **Node.js**, **Express.js**, and **MySQL** following **MVC architecture**. Designed and implemented **JWT-based authentication**, encrypted passwords with **bcrypt**, and secure session handling.
- Integrated **Cloudinary** for optimized image storage; tested APIs using **Postman** ensuring **100% CRUD coverage**.
- Added **NodeMailer** for automated email alerts and password reset workflows. Configured **Firebase** for real-time updates and scalable compute & backend.
- Deployed on **Render** with environment-based configuration for cloud readiness and high availability.

Secure Crypto-Biometric System for Cloud Computing (Role: Team Lead)

Sep 2024 – Jan 2025

GitHub Repository

- Directed a team of 3 in designing a secure authentication system using **AES**, **ECC**, and **biometric verification** techniques.
- Achieved **93% recognition accuracy** leveraging **TensorFlow**, **OpenCV**, and **Scikit-Learn**. Enhanced data privacy in cloud environments by combining **cryptographic algorithms with ML models**.

Nike Landing Page

May 2024 – Jun 2024

GitHub Repository

- Built a fully responsive landing page using **HTML, CSS, and JavaScript**.
- Optimized performance and reduced page load time by **45%** through code and asset compression along with visualization & responsive UI.

Academic Achievements

- **Top 3% in Classroom** | Outstanding academic performance, strong problem-solving and analytical skills
- **Consistent Academic Excellence** | Secured 9.11 CGPA across all semesters, demonstrating programming proficiency and technical aptitude
- **Google Developer Group (GDG) Member** | Contributed to software development projects, hackathons, and workshops in Python, Web Development, and AI

Certificates

- **Young Python Professional** – Infosys Springboard (2024) | Python Programming, Problem Solving
- **Full Stack Web Development** – Udemy (2024) | React.js, Node.js, JavaScript, REST APIs
- **SQL & Python Crash Course** – Coursera (2024) | SQL, Python, Data Analysis, Scripting
- **Merit Certificate in Cybersecurity Excellence** | Secured recognition at the Great AppSec Hackathon
- **Introduction to Generative AI** – Coursera (2024) | AI, NLP , ML

Extracurricular Activities

- Gained practical experience in **Google Cloud Platform (GCP)**, including **App Engine, cloud deployment processes, and Vertex AI integration** during **Google Gen AI Jam**, exploring concepts of **AI/ML workflows** and **cloud-based application development**.
- Active contributor in **GDSC**, gaining practical exposure to **cloud computing, application development life cycle (SDLC)**.
- Engaged in **hackathon ideation and brainstorming** during TechKnow 2.0, conceptualizing an **E-Waste Management Platform** featuring **real-time tracking, pickup scheduling, and responsive UI design**.
- Coordinated a TechFest event with **30+ participants**, ensuring smooth execution of 5+ activities through effective **scheduling and team management**.

Interests

Competitive Programming , Docker , Performance Optimization, Secure Coding Practices, Generative AI Concepts, NLP, Machine Learning , Big Data Processing, System Scalability, Design Thinking, analytical problem-solving, information technology, interpersonal skills, communication skills, creative solutions, Stakeholder Engagement, troubleshoot.