YARRAMADA HARISH REDDY

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LinkedIn — GitHub — Portfolio — LeetCode — GeeksforGeeks

Career Objective

Motivated Computer Science undergraduate with strong foundations in **computer architecture, operating systems, low-level programming, and debugging**. Seeking an opportunity in **product engineering and system-level development** where I can contribute to building **reliable, serviceable, and efficient infrastructure tools**, support large-scale computing environments, and apply skills in **C/Java programming, scripting, and backend development** to enhance system productivity and performance.

Technical Skills

- **Programming:** Python, Java, JavaScript, C
- **Front-End:** React.js, HTML5, CSS3, Bootstrap
- **Back-End:** Node.js, Express.js, RESTful APIs, JWT Authentication, Debugging & Troubleshooting
- **Databases:** MySQL, MongoDB (NoSQL)
- **Cloud & Tools:** Google Cloud Platform (GCP), Firebase, Render, Vercel, Docker, Cloudinary, Git, GitHub, Postman
- **Libraries/Frameworks:** TensorFlow, PyTorch, OpenCV, Pandas, NumPy
- **Core CS Knowledge:** Data Structures & Algorithms, Computer Architecture (coursework), Operating Systems (coursework), Computer Networks (coursework)

Education

Malla Reddy College of Engineering & Technology (Autonomous)   *Expected: May 2026*
B.Tech in Computer Science and Engineering (Data Science) — CGPA: 9.11 / 10
Coursework includes: Data Structures & Algorithms, Computer Architecture, Operating Systems, Computer Networks, Database Management Systems.

Telangana Social Welfare Residential Junior College   *2020 – 2022*
Intermediate - MPC — 96%

Navodaya High School   *2019 – 2020*
CGPA: 9.7

Key Projects

BlogBase – Cloud Blog Platform (Full Stack)   *Feb 2025 – Apr 2025*

- Designed and deployed a scalable blog platform using React.js, Node.js, Express.js, and MySQL with a modular backend service structure.
- Implemented secure user authentication with JWT and integrated Cloudinary for reliable cloud media handling.
- Achieved 40% faster API performance through optimized queries, efficient state management, and systematic debugging.

Secure Crypto-Biometric System (Research Project)   *Sep 2024 – Jan 2025*
GitHub Repository

- Developed a hybrid biometric encryption system using AES, ECC, and CNN-based facial recognition.
- Achieved 93% authentication accuracy through TensorFlow and OpenCV-based feature extraction.
- Applied rigorous testing, reliability checks, and error handling aligned with secure system design.

Chromosome Classification using CNN   *May 2024*

- Built a PyTorch-based CNN for chromosome image classification and abnormality detection.
- Designed a Tkinter GUI for training visualization and accuracy comparison.
- Improved prediction efficiency through OpenCV preprocessing and iterative debugging.

Achievements & Leadership

- Top 3% performer in department (CGPA 9.11) – recognized for consistent excellence.
- Solved 300+ DSA problems across LeetCode and GeeksforGeeks.
- Qualified in Great AppSec Hackathon (CCoE Hyderabad).
- Member – Google Developer Student Club (GDSC): participated in cloud and backend development initiatives.

Certifications

- Google Cloud Skills Boost – *Intermediate ML: TensorFlow on GCP (2024)*
- Coursera – SQL and Data Science with Python (2024)
- Udemy – Full Stack Web Development (React, Node, MySQL) (2024)

Interests

Systems Engineering, Mainframe Concepts, Computer Architecture, Operating Systems, Backend & Infrastructure Development, Secure Systems Design