GUNJESH KUMAR

+91 906-309-5958 | gunjesh843@gmail.com | linkedin.com/in/gunjeshkumar | github.com/GUNJESH843 | gunjesh.netlify.app

EDUCATION

Gayatri Vidya Parishad College of Engineering   Visakhapatnam, India
B.Tech in Information Technology • CGPA: 7.8/10   *June 2022 – Present*
- Core Coursework: Data Structures & Algorithms, Object-Oriented Programming, Software Engineering, DBMS, OS, Computer Networks.

EXPERIENCE

CSIR - Central Road Research Institute   New Delhi, India
Research Intern - Computer Vision & Software Engineering   *Apr 2025 – Present*
- Built a microservice in Flask for **Road Safety Index**, serving REST API to frontend dashboards.
- Optimized video ingestion pipeline using multi-threaded OpenCV, reducing processing time by 35%.
- Implemented YOLOv8 detection modules in PyTorch, achieving 25 FPS inference for hazard alerts.
- Collaborated via Git, Jira, and Agile sprints, performing code reviews and mentoring interns.

Infosys Springboard   Remote
Software Engineering Intern   *Feb 2025 – Apr 2025*
- Developed scalable speech translation service with Whisper and Google Cloud Speech API, handling 100+ concurrent users.
- Integrated Node.js backend with JWT-based authentication and role-based access control.
- Automated deployments with GitHub Actions and Docker on AWS Elastic Beanstalk.

GirlScript Summer of Code   Remote
Open Source Contributor   *May 2024 – Aug 2024*
- Enhanced performance of community web apps using JavaScript and Python optimizations.
- Refactored MongoDB queries, improving API response times by 20%.
- Wrote unit tests in Jest and PyTest; ensured ¿85% code coverage.

PROJECTS

Counselling Forms Platform   GitHub
- Full-stack React/Node.js app, reducing form processing time by 60%.
- Implemented Socket.io for live mentor notifications and JWT for secure access.

Image Identifier with C++ & Python
- Developed preprocessing in C++ and TensorFlow model wrappers in Python.
- Containerized inference API with Flask and Docker; deployed on AWS EC2.

Personal Portfolio   Portfolio
- Built with React and Tailwind CSS; continuous deployment via Netlify.
- Features dynamic project gallery and integrated contact form with serverless backend.

CERTIFICATIONS

- GitHub Foundations
- CS50x (Harvard)
- Deep Learning Specialization (ISRO)
- Google Play Academy Store Listing
- Google Data Analytics

SKILLS

- **Programming:** C++, Python, JavaScript (Node.js, React)
- **Algorithms & DS:** Data structures, algorithm design, and complexity analysis
- **Frameworks:** Express.js, Flask, TensorFlow, PyTorch
- **Databases:** MongoDB, MySQL
- **Tools:** Git, Docker, AWS (EC2, S3), GitHub Actions
- **Practices:** RESTful API design, Microservices, Agile, Unit Testing

ACHIEVEMENTS

- **Solved 350+ LeetCode problems**, focusing on algorithms and system design challenges.
- **Top 50 Mentor** in GirlScript Summer of Code for code quality and leadership.
- **3-star** coder at GeeksforGeeks with consistent open-source contributions.