



VASANTHARAO RAGA DEEPIKA

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Passionate programmer with hands-on experience in AI, ML, and full-stack web development. Proficient in C++, Python, and MERN stack technologies. Skilled in building scalable, real-time applications and eager to solve challenging problems in dynamic programming environments.

WORK EXPERIENCE

ML Engineer & Event Coordinator | Google Developers Group (GDG) | Sep 2024 – Present

- Organized and facilitated tech sessions and workshops.
- Coordinated DevFest event logistics, registrations of 500+ participants, and promotions.

MERN Stack Developer Trainee | ExcelR | May 2024 – Jun 2024

- Building full-stack web applications using MongoDB, Express.js, React, and Node.js.
- Focused on frontend (React) development, REST APIs, and database integration improving project delivery speed by 20%.

AI-ML Cohort-7 Trainee | Eduskills | Apr 2023 – Jun 2023

- Worked on real-world AI/ML applications, improving skills in data analysis, model building, and deployment.

PROJECTS

AI-Powered Interior Design - An AI-powered interior design app that – Uses CLIP, Stable Diffusion, ControlNet to suggest furniture/layouts.

Attendance System Through Face Recognition - Real-time student attendance using YOLO, OpenFace & SVM with live webcam capture, MySQL logging, and Flask-SocketIO-based model retraining with 95% accuracy.

E-Commerce Web Application — Full-stack eCommerce platform built with MERN stack featuring product listings, user authentication, shopping cart, and order management with MongoDB, Express.js, React, and Node.js.

Human Detection And Counting - Real-time people detection and counting using YOLOv4 and Streamlit with webcam/upload support and a simple web interface with 97% accuracy.

Movie Recommendation System - Personalized recommender using PySpark & ALS on MovieLens, with collaborative filtering and RMSE-based tuning for scalable suggestions.

Voice Assistant - Python-based voice assistant using speech recognition and TTS; performs web searches, reads Wikipedia, opens sites, and tells time/date.

SKILLS

Programming: C, C++, Java, Data Structures & Algorithms, Python, HTML, CSS, JavaScript, MERN Stack

AI/ML: Scikit-learn, YOLO, OpenCV, SVM, PySpark, CLIP, Computer Vision, NLP (Basics)

Tools & Frameworks: MySQL, Flask, SocketIO, Git, GitHub, Jenkins, Excel

Soft Skills: Communication, Critical Thinking, Continuous Learning, Team Management.

EDUCATION

Gayatri Vidya Parishad College of Engineering | Oct 2022 - May 2026 | **GPA:** 8.9

Sri Viswa | Jun 2020 - Jun 2022 | **GPA:** 91.5

Sri Sathya Sai Vidya Vihar | May 2020 | **GPA:** 93

CERTIFICATIONS

- **NPTEL:** Programming in Java, Data Structures with Python, Database Management Systems
- **ExcelR:** Machine Learning, MERN Stack
- **CodeTantra:** Python
- **Accenture:** Software Engineering Job Simulation
- **Cisco:** Data Analytics Certification
- Problem Solving – HackerRank , C Language- Srikanth Technologies