

DEEVI ESWAR

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Aspiring Software Engineer with a strong foundation in AI & Data Science, passionate about building highly **reliable** and **scalable** software. Eager to apply my skills in Python and Java to solve complex problems in **distributed systems** and **cloud platforms**. Keenly interested in leveraging AI to enhance system **automation**, **observability**, and **performance**.

Education

Qualification	Institution	Years
B.Tech in AI and Data Science	VVIT, Andhra Pradesh	2023—2026
Diploma in Mechanical Engineering	MBTS Govt Polytechnic College	2020—2023
Secondary Education	ZPHS	2015—2020

Technical Skills

- **Languages:** Python, Java, TypeScript(Familiar), SQL
- **Cloud & DevOps:** Azure (Familiar), Docker, Linux (Basics)
- **AI/ML Frameworks:** OpenCV, YOLOv5, Google Gemini API, Scikit-learn
- **CS Fundamentals:** Data Structures, Algorithms, OOP, System Design Principles

Projects

Claude-Inspired Conversational AI

[\[Live Demo\]](#)

- Engineered a highly interactive, conversational AI using Next.js and Google Gemini, focusing on a responsive and stateful user experience.
- Implemented a robust backend to handle concurrent user requests and multi-file uploads (MP3, MP4), ensuring **low latency** and high availability.
- Optimized frontend performance and **reliability** by using local storage for chat history, reducing server load and ensuring a seamless user session.

Tech Stack: Next.js, React.js, Tailwind CSS, Google Gemini API, TypeScript

Fusion AI — Multimodal AI Assistant

[\[Live Demo\]](#)

- I created an advanced AI companion that uses a phone's camera and microphone to see and understand the world in **real-time**.
- You can point the camera at any object, and the AI will recognize it and talk to you about it in a **natural-sounding voice**.
- This allows for a live, interactive conversation about your surroundings, making it a powerful tool for instant information and discovery.
- This AI assistant can see what's on your computer screen when you share it, and you can ask questions about anything you see there, just like talking to a helpful expert.

Tech Stack: Next.js, TSX, Tailwind CSS, Google Gemini API, Python

AI Traffic Violation Detection System

- Designed an **automated surveillance pipeline** using YOLOv5 and OpenCV for high-throughput, real-time video processing.
- Built a reliable detection system for identifying traffic violations, which triggers an automated e-challan reporting mechanism to ensure enforcement.
- **Coming Soon:** We are developing a new approach using compact, 4-bit **Generative AI** models to monitor and predict complex traffic patterns entirely **offline** and in real-time.

Tech Stack: Python, OpenCV, YOLOv5, PyTorch

Virtual Internships

- [AI/ML Internship — Google](#) Jan 2025 – Mar 2025
- [Data Analytics Internship — Alteryx](#) Jul 2024 – Sep 2024
- [Networking Internship — Juniper](#) Apr 2024 – Jun 2024
- [GenAI Powered Data Analytics Job Simulation](#) Apr 2024 – Jun 2024