

# Dhruva Teja D R

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## EDUCATION

**Dayananda Sagar College Of Engineering**

*B.E. in Computer Science (Core) - CGPA 9.5*

Bangalore

2026

## TECHNICAL SKILLS

**Languages:** C, Java, Python, JavaScript

**Frameworks:** ReactJS, NodeJS, Django, ExpressJS, Streamlit

**Developer Tools:** Git, Visual Studio, PyCharm, Postman, Notion

**Libraries:** Pandas, NumPy, Matplotlib, Tensorflow, Keras

## EXPERIENCE

**AIML Intern** — SISA Information Security

May 2025 - Present

- Fine-tuned a **DistilBERT-based refusal model** to efficiently filter and reduce LLM-based evaluation workload by **approximately 30%**, improving overall system evaluation efficiency.
- Revamped the **evaluation engine script**, reducing runtime from 4 hours to 1 hour for processing 600 test cases, significantly **accelerating testing cycles by 75%** and boosting productivity.
- Conducted comprehensive **adversarial prompt research** and automated test case generation, uncovering over **50 critical model vulnerabilities**, strengthening red team assessment coverage.

**SDE Intern** — Souloxy

Dec 2024 - March 2025

- Engineered a **real-time chat app** with React (Vite) and Firebase, enabling secure messaging for 100+ users and boosting communication efficiency by 40%.
- Integrated **API connections** with a mock JSON server, speeding up testing cycles by 30% and catching 10+ critical bugs pre-launch.
- Streamlined scalable **frontend architecture**, reducing load times by 25% and improving code maintainability.

## PROJECTS

**Vogue Virtue**

- Launched an **AI-powered fashion recommendation platform** that analyzes clothing images with **90% accuracy** in outfit pairing.
- Utilized **Img2Vec** and a **CNN-based color model**, improving recommendation precision by **25%** compared to baseline models.
- Crafted a **responsive frontend** with **React** and **TypeScript**, enabling **smooth image uploads** and personalized suggestions with **under 2-second latency**.

**PingNow**

- Created a **real-time messaging system** using React.js and Express.js with MongoDB, supporting **100+ concurrent users** with low latency.
- Implemented **Socket.io** for instant, **bidirectional message exchange**, improving communication speed by **40%**.
- Secured **authentication**, enabled **file sharing**, and enhanced **scalability**, reducing downtime by **30%**.

**Farmfleet**

- Built a farm management system with **Django** and **PostgreSQL**, improving crop tracking efficiency by **35%**.
- Designed **interactive dashboards** with **Chart.js** for real-time insights used by **15+ farm managers**.
- Crafted **responsive Django templates** enabling cross-device access, resulting in a **50% increase in user session duration**.

## POSITIONS OF RESPONSIBILITY

**Quarterly Quill Magazine Club** — Team Lead

Led a team in the creation, organization, and publication of the Quarterly Quill, ensuring high-quality content and seamless collaboration within the department.