

# VAIBHAV

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## Education

**SRM Institute of Science & Technology**  
*B.Tech in Computer Science (AI & ML) — 2022–2026*

**CGPA: 7.4 (74%)**  
*Chennai, India*

## Experience & Internships

### Zero Trust Cloud Security Virtual Internship

**Oct – Dec 2024**

*Intern — Supported by Zscaler*

*Remote*

- Completed a 10-week program focused on **Zero Trust Cloud Security** and governance models.
- Worked on cloud protection strategies and gained hands-on exposure to securing infrastructure.

### OpenRAG — DocDynamo

**Jan – Mar 2025**

*Beta Tester (Internship)*

*Remote*

- Contributed as a **Certified Beta Tester** for DocDynamo, an AI-powered document automation platform.
- Tested and validated NLP-driven features, providing actionable feedback to improve accuracy and usability.
- Collaborated with the development team to identify bugs, optimize workflows, and enhance end-user experience.

## Projects

### Generative AI Notes Summarizer

**2025**

*Full Stack Developer*

- Built a full-stack web app to summarize text and PDFs using OpenAI API + LangChain.
- Backend with Flask integrated to MongoDB for CRUD operations and history storage.
- Implemented authentication, reusable modules, and real-time API calls for scalability.

### Spring Boot To-Do API

**2024 – 2025**

*Backend Developer*

- Designed a RESTful CRUD API using Spring Boot + Hibernate (JPA) with MySQL integration.
- Implemented DTOs, validation, and exception handling for reliable and clean code practices.
- Containerized with Docker, improving scalability & enabling parallel request handling.

### AI-Powered Assistive Vision System

**2023 – 2024**

*Lead Developer*

- Developed a real-time object detection system using YOLOv5 + TensorFlow achieving 95% accuracy.
- Optimized Raspberry Pi deployment with multithreading for 30 FPS low-latency processing.
- Enhanced navigation accuracy by 40% through custom vision algorithms.

## Leadership & Experience

### Discipline Team Head — Directorate of Student Affairs (Milan)

**2024 – 2025**

*SRMIST*

- Led a 25-member discipline team during Milan, SRM's cultural festival with 20,000+ participants.
- Coordinated with faculty and security to ensure safety, order, and smooth event execution.
- Resolved conflicts quickly and enforced structured discipline protocols.

### Committee Head — Team Envision (Aaruush)

**2024 – 2025**

*SRMIST*

- Supervised 40+ developers to implement AI/ML & software solutions for campus-wide challenges.
- Organized coding workshops and mentored peers in Python, Java, DSA, and backend development.

## Technical Skills

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**Languages:** Python, JavaScript, Java, SQL

**Frameworks:** React.js, Spring Boot, Flask/FastAPI

**Databases:** MongoDB, MySQL

**AI/ML:** TensorFlow, PyTorch, Scikit-learn, OpenAI API, Hugging Face, Pandas, NumPy, OpenCV

**Core:** OOP, Data Structures & Algorithms, REST APIs, Parallel Processing (multithreading/multiprocessing)

**Tools:** Git, Docker, Linux, AWS (Basics)

## Certifications

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- Oracle Cloud Infrastructure Associate (1Z0-1085-24)
- Introduction to Responsible AI — Google Cloud (Coursera)
- Zero Trust Cloud Security — AICTE