S VISHAAL
STUDENT

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Actively learning, growing and seeking more challenges to expand my knowledge and experience so that I can positively impact and excel in any environment I'am put into.

KEY ACHIEVEMENTS & CERTIFICATES

- **Hackfest 2024 -** 2nd place at national hackathon **(prize: 1.5 lakhs)**
- **Smart India Hackathon -** Winner - 2025 **(Prize : 1 Lakh)**, Finalist - 2024
- **National Hackathon MIT -** Winner **(Prize : 30000/-)**
- **Python for Data Science -** NPTEL certification

ORGANIZATIONS

Hyundai Motors India Limited   **Oct 2024 - Apr 2025**
Data Analytics Intern

Domain Head - Computer Vision Domain   **Sep 2024 - Present**
IEEE-CIS Student Chapter of REC

AREA OF EXPERTISE

Python	SQL & Firebase	Javascript
Flask	Tensorflow & PyTorch	Scikit-learn (ML)

PROJECTS

Communication System for Disaster Relief Operations   **May 2024 - June 2024**

- Developed a disaster-resilient communication network with a hand-crank powered unit that enables resource requests via a mobile app.
- The system transmits requests to relief agencies, who receive a supervision platform as part of the project.
- Developed the **backend-AI integration and voice communication system** for the project.

Iris Tracking Communication Aid for Paralyzed people   **Mar 2024 - Mar 2024**

- Developed **eye tracking** software for fully paralyzed individuals to communicate.
- It tracks eye movements, listens to conversations, and uses **AI to generate responses**, which are selected by eye movement and spoken aloud.

Autonomous Underwater Vechicle for Defect Detection in Dams   **Nov 2023 - Dec 2023**

- Autonomous underwater drone that detects and repairs cracks, corrosion, and abrasions in dam structures.
- Developed and integrated an **AI detector** for the drone which automatically detects cracks, rust, abrasions and also developed an automatic **surveillance algorithm** for the drone.

EDUCATION

B.Tech Artificial Intelligence and Machine Learning (CGPA : 8.35)   **Nov 2022 - Present**
Rajalakshmi Engineering College

LANGUAGES

English	**Hindi**	**Tamil**
Native or Bilingual Proficiency	Professional Working Proficiency	Native or Bilingual Proficiency