S VISHAAL
STUDENT

✉ svishaalofficial@gmail.com   🌐 www.svishaal.site   📱 +91 6380520414   📍 Chennai, India

in https://www.linkedin.com/in/vishaal-s-52686b294/   🐙 https://github.com/Vishaal-sathya

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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 - Present**
Data Analytics Intern

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

AREA OF EXPERTISE

Python	Tensorflow (deep learning)	Machine Learning
Streamlit	Power BI (Power Query)	MS Excel (Pivot Analysis)

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.
- Performed the **feasibility analysis** for the project using government reports.

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.
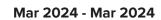
Autonomous Underwater Vechicle for Defect Detection in Dams   **Nov 2023 - Dec 2023**
- Autonomous underwater drone that detects and repairs cracks, corrosion, and abrasions in dam structures.
- Developed the **AI detector** for the drone which automatically detects cracks, rust, abrasions and also an automatic **surveillance algorithm** for the drone.

EDUCATION

B.Tech Artificial Intelligence and Machine Learning   **Nov 2022 - Present**
Rajalakshmi Engineering College

LANGUAGES

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