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.

AREA OF EXPERTISE

Power BI	MS Excel	SQL
Machine Learning	Deep Learning	Python

KEY ACHIEVEMENTS & CERTIFICATES

- **Hackfest 2024 -** 2nd place at national hackathon (prize: 1.5 lakhs)
- **Smart India Hackathon -** Finalist at national hackathon
- **Python for Data Science -** NPTEL certification

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 iris 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**

- Developed an autonomous underwater drone that detects and repairs cracks, corrosion, and abrasions in dam structures.
- It includes software for easy operation and tracking maintenance history.

ORGANIZATIONS

Core Member - CV Domain   **Sep 2023 - Sep 2024**
IEEE-CIS Student Chapter of REC

EDUCATION

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

Higher Secondary   **Jun 2020 - Jul 2022**
The Pupil Saveetha Eco School

LANGUAGES

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