Shakithiyan KV

STUDENT

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SUMMARY

A finalist in Smart India Hackathon 2023, showcasing problem-solving skills and a commitment to technological advancementsAcquired foundational networking skills during the project, demonstrating a versatile skill set.Passionate about exploring the frontiers of Machine Learning (ML) , with practical project experience applying ML concepts using Python. Proficient in Python fundamentals, possessing a solid grasp of C and Java.Actively engaged in hands-on projects involving IoT devices such as Raspberry Pi and Arduino. Additionally, excelling in competitive coding with proficiency in C++. A dynamic individual committed to staying at the forefront of technological advancements and contributing innovative solutions to real-world challenges.

SKILLS

Problem Solving	●●●●○	Java	●●●●●
Python	●●●●●	C++	●●●○○
Competitive Coding	●●●●○	Web Development	●●●○○
Networking	●●●○○	Game Dev	●●○○○
IoT	●●●○○	C	●●●●○

EDUCATION

B.Tech

Rajalakshmi Engineering College *Nov 2022*
Artificial Intelligence & Machine Learning

High School

The Schram Academy *Jun 2021 - May 2022*
AISSCE (All India Senior School Certificate Examination)

PROJECTS

Autonomous Underwater Vehicle for Dam Inspection and Repair

Smart India Hackathon 2023 *Dec 2023 - Present*

- Autonomous under water drone capable of detecting cracks, corrosion and abrasions in the concrete walls and metal constructions of dams.
- The Drone is also capable of localised repair of said corrosion or cracks through remote operation by a technician.
- The drone The drone comes with its own software app which ensures ease of use and also enables the historic maintenance records.

Iris - Enabled ALS Patients Assistance System

Hardware and Software *Oct 2023 - Present*

- The hardware consists of a wearable eye glass unit to track the iris movement of the patients.
- The Patients are provided with a monitor which displays the software app that display options on the

screen through a decision tree algorithm.
- The patients can select the options through their iris movement which serves several functionalities like emergency calling, environmental control, communication through text to speech and more.

Sewer gas Monitoring System

Hardware Project *Aug Present*

- Develop a compact wrist-worn device with gas sensors to monitor hazardous gases in sewage environments.
- Enable real-time wireless transmission of gas data to provide instant alerts when levels exceed safety thresholds.
- Design the device to be comfortable, durable, and suitable for the challenging conditions of sewage work.

ORGANIZATIONS

Core Member

IEEE - CIS Student Chapter of REC

LANGUAGES

English	●●●●●	Hindi	●●○○○
Tamil	●●●●●		

CERTIFICATION

Smart India Hackathon 2023 - Finalist

AICTE India *2023-12-23*

Computer Vision Onramp - Certificate of Completion

MATLAB *2023-09-28*

Machine Learning with Python - Certificate of Completion

IBM *2023-10-18*