Sreyoshi Pal

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PROFILE

Electronics and Communication Engineering student with experience in full-stack web development, embedded systems, and automation. Skilled in Python-based applications, hardware–software integration, and robotics projects. Proven leadership experience in national-level hackathons.

EDUCATION

Kalyani Government Engineering College — West Bengal
B.Tech in Electronics and Communication Engineering — *2024 – 2nd year ongoing*

DAV Model School, IIT Kharagpur — West Bengal
Higher Secondary Education (94%) — *2022 – 2024*

DAV Model School, IIT Kharagpur — West Bengal
Secondary Education (93.8%) — *2020*

EXPERIENCE & HIGHLIGHTS

Smart India Hackathon (SIH) — 2025
Team Leader
- Led a multidisciplinary team through ideation, system design, and solution development
- Project advanced to the waiting list for the final round after internal evaluation
- Coordinated task distribution, technical integration, and presentation strategy

Zero's Arena Hackathon — 2025
- Built "Sign Speak Tutor", an application designed to assist users in learning sign language
- Participation Certificate [Link]

PROJECTS

Python Voice Assistant (Jarvis) | *Python, APIs*
- Developed a voice-controlled assistant for task automation and information retrieval
- Integrated external APIs for real-time responses and system control

Flask-Based Web Application | *Python, Flask, HTML, CSS*
- Built a dynamic web application with backend logic using Flask
- Implemented form handling, routing, and basic database interactions
- Web Development Certificate [Link]

Web Development Projects | *HTML, CSS, Bootstrap*
- Designed responsive websites for a restaurant and a music platform
- Focused on layout structuring, visual consistency, and user experience

Terra-Trek & Bluetooth RC Car | *Arduino, Embedded Systems, Motors, Bluetooth*
- Built terrain-navigation and RC robotic vehicles with wired and Bluetooth-based control
- Implemented UART communication using HC-05 Bluetooth module with Arduino Uno
- Designed motor drive using L298N dual H-bridge powered by 7.4V Li-Ion battery pack

TECHNICAL SKILLS

Languages: Python, C, C++, SQL, HTML, CSS
Web & Tools: Flask, Bootstrap, API Integration, Arduino
Developer Tools: Git, GitHub, VS Code, MySQL
Domains: Web Development, Embedded Systems, Robotics, Automation

LANGUAGES

English, Hindi, Bengali