

RAUSHAN KUMAR

 Bihar, India  Rsn2711  raushan-kumar-454645261  kumarraushan2797@gmail.com  +91 6205028132

PROFILE

B.Tech ECE student skilled in IoT, computer vision, and web technologies, with proven project experience and strong problem-solving abilities.

EDUCATION

Netaji Subhash Engineering College, Garia	West Bengal, India
<i>B.Tech in Electronics and Communication</i>	June 2022 - 2026
Jagjiwan College Gaya	Gaya, Bihar, India
<i>Higher Secondary Education; (Bihar Board)</i>	Apr 2019-Mar 2021
D.A.V Public School, Sherghati	Gaya, Bihar, India
<i>Secondary Education; (CBSE Board)</i>	Apr 2018-Mar 2019

GROUP PROJECT

Smart Lift System Using ESP32 and Computer Vision

Internship Project at Jadavpur University | May 2025 – July 2025. [GitHub link](#)

Technologies Used: ESP32, Python, OpenCV, Reed Switch, DC Gear Motor, L298N, Wi-Fi, Arduino IDE

- Designed and developed a **smart lift prototype** detecting floor-wise crowd density via laptop webcams and OpenCV.
- Integrated **ESP32 microcontroller** with DC gear motor and reed switches for automated floor detection and lift control.
- Implemented **real-time Wi-Fi communication** between Python scripts and ESP32 to direct the lift to the floor with highest demand.
- Automated **return cycles and delays**, validating functionality with LED indicators and serial feedback control.

PROJECT

Resume Matcher – Job Role Recommendation System. [GitHub link](#)

- Developed a web application to upload resumes, extract key skills, and match them with job roles.
- Built with React.js (frontend) and Node.js + Express.js (backend) for skill parsing and matching logic.
- Implemented a recommendation engine using keyword extraction algorithms to suggest suitable roles.
- Deployed on Vercel with MongoDB/MySQL integration for real-time job role recommendations.

SKILLS

- **Programming & Web Development :** Java, C++, HTML5, CSS3, JavaScript (ES6+), Bootstrap, React.js, MongoDB
- **Technologies & Tools :** Git, GitHub, VS Code, npm, pnpm
- **Coursework :** Data Structures & Algorithms, Object-Oriented Programming (OOP), MySQL, Computer Networks
- **Soft Skills :** Communication, Teamwork, Problem Solving, Adaptability, Continuous Learning

ACHIEVEMENTS

- Completed Internship on **Blockchain, Big Data & Data Science** at **NIELIT Kolkata**. [Certificate link](#)
- Received a **patent offer** from Jadavpur University for inventing a **Smart Lift System**. [Report link](#)
- **Oracle Certified Foundations Associate – AI Foundations (OCI 2025)** [Certificate link](#)
- **200+** DSA problems on Leetcode. [Profile Link](#)
- Participated in **Hack 4 Bihar 2025**, a state-level hackathon. [Certificate link](#)