

# RAUSHAN KUMAR

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## PROFILE

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

## EDUCATION

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