BIKRAM SARKAR

Aspiring Electronics and Communication Engineer

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PROFILE

Aspiring Electronics and Communication Engineer passionate about IoT, embedded systems, and Web Development.

SKILLS

FRONTEND
HTML, CSS, JavaScript, Bootstrap, React

BACKEND
NodeJs, ExpressJs, MongoDB, MySQL

PROGRAMMING LANGUAGE
C, C++, JAVA

EDUCATION

B.Tech
Narula Institute of Technology, Kolkata
06/2023 – 06/2027 | Kolkata
Currently pursuing engineering with interests in IoT, WEB DEV.

Science
Netaji Shikshayatan Agarpara, Kolkata
01/2012 – 03/2022 | Kolkata
Passed with [75%] and developed a strong foundation in Physics and Mathematics.

LANGUAGES

BENGALI

ENGLISH

HINDI

JAPANESE

SUMMARY

ECE student with strong development expertise across IoT, embedded systems, and MERN full-stack web development. Skilled in microcontrollers, sensors, real-time processing, REST APIs, and modern JavaScript frameworks. Built impactful solutions including smart vision glasses, autonomous fire-fighting robots, and a MERN-based job portal, showcasing end-to-end hardware–software development capability.

EXPERIENCE

Web Developer
VaultofCodes
10/03/2025 – 10/04/2025 | Remote
Built responsive websites using HTML, CSS, Tailwind, and JavaScript. Worked with students and peers to develop portfolios and interactive forms.

PROJECTS

Job Finding Portal- MERN Full-Stack Project
Designed and developed a job-search platform using MongoDB, Express.js, React, and Node.js.

Vision Glass for the Visually Impaired - Embedded IoT Project
Created smart glasses using RSP32-S3 that use camera input and convert text to speech, aiding blind users in real-time.

Fire Fighting Robot Bot - Hackathon Winner
Arduino-based robot that detects flames and moves toward them to extinguish using a mounted sprayer.

AWARDS

Qualified for the 2nd round in NIT kritanj 2025

TOP 5% in NPTEL DBMS.

TOP 1% in NPTEL JAVA.

Fire Fighting Robot Bot - Hackathon Winner