

Curriculum Vitae

Name : Shubham Raj
Address : Sukhobristi, Shapoorji, Kolkata
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Academic Qualifications:

Degree / Certificate	Degree	Discipline	Institute	Board / University	Year of Passing	Aggregate % / CGPA
Graduation	B.Tech	ECE	Institute of Engineering & Management, Kolkata	University of Engineering & Management, Kolkata	2027	8.51 (Upto 4th Semester)
12 th	Higher Secondary	Science	M.S.Y COLLEGE GAYA	BSEB	2022	77%
10 th	Secondary	General	Literati Public School	CBSE	2020	85.2%

Additional Qualification / Achievements / Certifications:

- NPTEL Courses (Enhancing soft skill and personality, python for data science)
- Certificate for Competitions: Coursera – (IOT), Coursera-(PN Junction Metal and Semiconductor contact)

Subjects of Interest:

- Data Structures and Algorithms
- Web Development(MERN STACK)
- Database Management System(SQL,MongoDB)

Projects

- **Design and Simulation of Microwave Absorbers using HFSS and Hardware**
 - Designed and optimized multiband absorbers for EM wave absorption.
 - *Tech Stack: Ansys HFSS*
- **AgroAI – Smart Crop & Fertilizer Recommendation System**
 - Built ML-based crop recommendation with GPS-based weather data.
 - Integrated AI-powered fertilizer suggestions.
 - Tech Stack: Html, Css, Javascript, MERN, TensorFlow, Firebase, React.js
- **Fire Extinguisher Rover**
 - Developed a rover for fire detection & extinguishing using sensors.
 - Tech Stack: IoT, Arduino, Robotics

Programming Language Proficiency:

- **C**
- **C++**
- **Python**
- **Java**
- **HTML**
- **CSS**
- **JAVASCRIPT**
- **REACT JS**

Hobbies:

- **Painting**
- **Playing Cricket**
- **Robotics or Electronic Project**

Family Details:

Details	Name	Occupation
Father	Prabodh Kumar	Business
Mother	Chanchla Devi	Homemaker

Personal Details:

Date of Birth : 01-01-2005
Gender : MALE
Languages Known : **Hindi, English**
Date : 09-09-2025