

# Sumantra Bandyopadhyay

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## EDUCATION

### DR. B C ROY ENGINEERING COLLEGE

BTECH IN COMPUTER SCIENCE AND ENGINEERING  
CGPA: 7.95 / 10  
2021-2025

### ZOOM INTERNATIONAL SCHOOL

CBSE (CLASS XII)  
percentage: 63.3%

### ST. PETER'S SCHOOL

CISCE (CLASS X)  
percentage: 70.5%

## LINKS

Github:// [Sumantra Bandyopadhyay](#)  
LinkedIn:// [Sumantra Bandyopadhyay](#)

## COURSEWORK

### UNDERGRADUATE

Data Structures and Algorithm  
Design and Analysis of Algorithm  
Object Oriented Programming  
Operating System  
Database Management System  
Computer Networks  
Cyber Security  
Machine Learning

## SKILLS

### PROGRAMMING

Experienced

• Java • HTML • CSS • Javascript •  
React.js • Tailwind CSS • Nodejs • jQuery  
• MongoDB • PHP • MYSQL • Linux CLI •  
Arduino Programming • Git • Github •  
Web Application Penetration Testing

Intermediate

Python • Tkinter • AWS • PyQt

## CERTIFICATIONS

• Ethical Hacking (Indian School of Ethical Hacking)  
• Web application Penetration Testing Level - 1 (Indian School of Ethical Hacking)

## EXPERIENCE

### INTUITIVE ROBOTICS OPC PVT. LTD.

| RESEARCH AND DEVELOPMENT INTERN

Feb 2024 – May 2024 | Kolkata, India

- Developed a bidirectional hopping network using ESP32 and displaying the sensor data in a website showcasing skills in IOT, Computer Networks and Website Development.
- Tech Involved: Arduino, ESP32, Initial State Iot Platform, HTML, CSS, Javascript, React js, AWS.
- Impact : This can create network at any remote location in the globe, which can help people connect to emergency services at any situation.

### WEBEL-FUJISOFT-VARA, CENTRE OF EXCELLENCE

| WEB DEVELOPMENT TRAINEE

June 2023 – Aug 2023 | Kolkata, India

- Overview : Developed an innovative online doctors' appointment system during my industrial training, showcasing skills in web development, project management, and collaboration.
- Tech Involved : HTML, CSS, Bootstarp, Javascript, PHP, MySQL

## PROJECTS

### AUTOMATIC FAULT DETECTION OF STREET LIGHTS (applied for patent)

- Research Project on Automation of fault Detection of street light using ESP32 mesh network configuration and displaying the fault results in a software which makes the system affordable with a large area coverage.

### ED- TECH PLATFORM

- The e-learning platform offers diverse courses with interactive lessons and assignments, enabling users to track progress and engage in collaborative learning through discussion forums, all powered by HTML, CSS, JavaScript, React js, Tailwind CSS, Node.js and MongoDB for seamless functionality.

### CYBER-SLEUTHS WEBSITE link

- Created a dynamic website for my college cyber Security club (Cyber Sleuths) using HTML, CSS, JavaScript, React.js, Tailwind CSS, Vite, and Node.js. The project demonstrates my proficiency in full-stack development and responsive design.

### THINK-IOT WEBSITE link

- Created a dynamic website for my college IOT lab (Think-IOT) using HTML, CSS, JavaScript, React.js, Tailwind CSS, Vite, and Node.js. The project demonstrates my proficiency in full-stack development and responsive design.

### E-LOCKER (applied for patent - Application no: 202431039847)

- Research Project on Developing a secure e-locker that can replace the traditional locker system in banks