

# Tuhin Modak



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Durgapur - 713206

🚩 Indian

♂ Male

📅 30/12/2002

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🐙 github.com/TUHINMODAK

## 🎓 EDUCATION

### B. Tech

Dr B. C. Roy Engineering College  
2021 – 2025 | Durgapur, India  
CGPA - 8.02

### Class XII

Kendriya Vidyalaya  
2019 – 2021 | Durgapur, India  
Percentage :- 83.17%

### Class X

St.Xavier's School  
2007 – 2019 | Durgapur, India  
Percentage :- 87.67%

## 📜 CERTIFICATES

- DVC DSTPS Vocational Training (No-DSTPS/HR/VT/134)
- Ardent Industrial internship(No-ARDENT/AD90243)
- Intutive Robotics OPC Pvt. Ltd. Internship(No-IROPL24BCRECCS1A)

## 🧠 SKILLS

Java • HTML • CSS • Javascript • ● ● ● ● ●  
Python • PHP • MYSQL • Arduino  
Programming • Eclipse IDE

Tkinter • OpenCV • Hibernate • ● ● ● ● ●  
Maven • MongoDB

## 📁 PROFILE

Motivated Computer Science and Engineering student with strong technical skills and a passion for innovation. Seeking opportunities to apply problem-solving abilities in a dynamic environment. Skilled in adapting to new technologies, collaborating in teams, and delivering high-quality work.

## 📁 EXPERIENCE

### INTUITIVE ROBOTICS OPC PVT LTD

Research and Development Intern

02/2024 – 05/2024 | 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.

### ARDENT COMPUTECH PVT. LTD.

Full Stack Web Development Trainee

06/2023 – 08/2023 | Durgapur, India

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

### DAMODAR VALLEY CORPORATION DSTPS

Vocational Training

07/2024 – 07/2024

- Overview : Learnt about servers, networks, and the process of generation of thermal power in a power station. Build a website as part of our training.
- Tech Involved : ERP, Servers, Computer Networking

## 📁 PROJECTS

### GROCERY MANAGEMENT SYSTEM

An online Grocery Management System connecting vendors and customers for seamless transactions, built with HTML, CSS, JavaScript, Bootstrap, Java, Hibernate, Spring Boot, and MySQL.

### 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.

### 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

### SWARM SOS

SwarmSOS enhances underground mine operations with autonomous communication and real-time emergency response, overcoming traditional limitations in underground communication systems.