

SWARNAV SIMANTA SARMAH

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PROFESSIONAL SUMMARY

Full-stack developer with experience designing and building scalable logistics platforms. Skilled in React.js, Node.js, Express.js, and MongoDB, with a strong focus on creating user-friendly interfaces, backend APIs, and real-time features such as live tracking and notifications. Proven ability to integrate third-party services like payment gateways and mapping APIs to deliver seamless digital solutions.

SKILLS

- Languages: JavaScript, Python, C/C++
- Web Technologies: HTML5, CSS3, React.js, Node.js, Express.js
- Database: MongoDB, MySQL
- Tools & Platforms: Git, GitHub, VS Code, Postman, AI Tools
- Soft Skills: Problem-solving, Communication, Teamwork

PROJECTS

1. Fire Fighting Robot (Arduino-Based Project)

-This project involves the design and development of a fire-fighting robot controlled by an Arduino microcontroller. The robot is equipped with temperature and flame sensors to detect the presence of fire. Once detected, the robot automatically activates an extinguishing mechanism to control the fire. The system also includes radar-based movement detection and an online monitoring console, allowing users to view real-time data and remotely operate or observe the robot.

- Technologies used: Arduino, C Programming

Key Features:

- Fire detection using flame and temperature sensors
- Automated fire extinguishing system

- Online monitoring dashboard for real-time status updates
- Radar integration for movement awareness and surveillance
- Easy to install, operate, and maintain

- This project demonstrates how embedded systems and automation can be used for life-saving applications. It serves as a prototype model for future development of full-scale fire-fighting robots in industries, homes, and public spaces.

2. Logistics Web Application

-Working as a Tech Guide and Full-Stack Developer for a startup logistics platform since May 2025. Responsible for developing a user-friendly web application using React.js, Node.js, Express.js, and MongoDB, with features like live tracking, order management, secure login, and API integrations for maps, payments, and notifications.

EDUCATION

- 10th from St. Joseph's High School, Moranhat, Assam, 2021.
- 12th from Moran College, Moranhat, Assam, 2023.
- Currently doing BTech. In Computer Science and Engineering at Assam Down Town University, Assam.

CERTIFICATIONS

- Programming with JavaScript by Meta
- Introduction to Front end Development by Meta
- Introduction to Hardware and Operating Systems by IBM
- Introduction to Python Programming by University of Pennsylvania
- Foundations of Digital Marketing and E-commerce
- Communication Skills for engineering scholars
- Foundations of Cybersecurity by Google

ADDITIONAL INFORMATION

- Languages: English, Hindi, Assamese.
- Interests: Fitness, Travelling, Coding Challenges