

# SUMAN PATRA

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GitHub: <https://github.com/sumanpatra2022>



## OBJECTIVE

I am a final-year Computer Science student with a strong interest in software development. I have hands-on experience in full-stack development using React and Express, a solid foundation in C++ and Data Structures & Algorithms, and practical experience in AI/ML projects involving deep learning and data analysis. I am passionate about problem-solving and building scalable, efficient solutions.

## SKILLS

- **Programming Languages:** C, C++, Python, JavaScript
- **Frontend:** React.js, HTML, CSS
- **Backend:** Node.js, Express.js, Django, Flask
- **Databases:** MySQL, MongoDB
- **Machine Learning:** NumPy, Pandas, Scikit-learn, Matplotlib, TensorFlow
- **Cybersecurity:** API Testing, Security Assessment
- **Tools & Platforms:** Git, GitHub, Jupyter Notebook, Postman, Figma, MS Excel
- **Core Subjects:** Data Structures & Algorithms, OOP, AI/ML, Operating Systems, Computer Networks, DBMS

## EDUCATION

### Sister Nivedita University, Kolkata

B. Tech in Computer Science and Engineering

Sep 2022-July 2026

CGPA-8.09

### Mansuka L.N. High School, Ghatal

WBCHSE,(Class-XII)

2021-2022 , XII-95%

WBBSE,(Class-X)

2019-2020, X-82%

## PROJECTS

### Crop Disease Detection using Deep Learning (CNN, TensorFlow)

- Built a **CNN model** to detect crop diseases from images.
- Delivered **actionable solutions** to help farmers take preventive and corrective measures.

### E-commerce Platform (MERN Stack)

- Developed a full-stack E-commerce application using MongoDB, Express.js, React.js, and Node.js.
- Built product catalogue, cart, checkout, and authentication for a smooth user experience

### Crop Recommendation System (ML)

Recommended crops based on soil, weather, and environmental parameters using ML

## INTERNSHIP

### Infomaticae Technology Pvt. Ltd. | Software Developer Intern,

Oct 2025-Dec 2025

- Developed responsive frontend UI, implemented business logic, and supported backend development, integration, and debugging.
- API testing (Postman) and worked on real-world application modules using modern development practices.

### XPMC, Employability. Life

April 2025-June 2025

Cybersecurity API Testing (Industrial Knowledge Base)

- Executed API testing and security assessments using Postman, Burp Suite, and Kali Linux.
- Collaborated with a team of 5 to enhance API security.

## CERTIFICATE

Data Analytics Job Simulation – Deloitte

Applied Machine Learning in Python – University of Michigan

Introduction to Artificial Intelligence – IBM

Foundations of Project Management – Google

Introduction to Networking and Cloud Computing – Microsoft

Deep Learning / Generative AI-Infosys Springboard

## HOBBIES & INTEREST

Languages Known: Bengali, English, Hindi, Spanish (Beginner)

