



# Siddhant Manna

Kolkata, West Bengal

+91 9064801416 | official.siddhantmanna@gmail.com | linkedin.com/in/siddhant-manna | GitHub | Portfolio

## PROFESSIONAL SUMMARY

Passionate full-stack developer skilled in Node.js and React with hands-on experience building and deploying high-availability applications. Proficient in AI integration, Docker, and end-to-end development. Seeking to leverage my strong technical foundation to create tangible impact in a collaborative environment.

## EXPERIENCE

### Software Developer Intern

DCC Services Pvt. Ltd.

August 2024 - November 2024

Kolkata, West Bengal (Onsite)

- Engineered and maintained 15+ high-availability RESTful APIs using Spring Boot, achieving 99.5% uptime and supporting critical Cloud, Customs, and Analytics platforms.
- Strengthened data integrity by implementing robust validation rules within MySQL, which decreased data inconsistencies by 30% and enhanced the reliability of downstream analytics reports.

## EDUCATION

### Bachelor of Technology in Information Technology

Meghnad Saha Institute of Technology

July 2022 – June 2025

- Cumulative GPA: 7.6/10.0

### Diploma in Computer Science and Technology

Central Calcutta Polytechnic

July 2019 – August 2022

- Cumulative GPA: 8.1/10.0

## SKILLS

- Programming Languages:** Java, JavaScript
- Web Technologies:** HTML, CSS, ReactJS, NodeJS
- Database Technologies:** SQL, MongoDB
- Development Tools:** Git, Docker
- Soft Skills:** Attention to Detail, Critical Thinking, Team Collaboration

## PROJECTS

### Architecx - (June 2025 - Present)

| Website

- Built an interactive learning playground from the ground up using the MERN stack, transforming abstract system design concepts into tangible, visual diagrams users can play with.
- Optimized frontend performance through React memoization and state management, ensuring seamless rendering of complex diagrams with 50+ components

### EazyInvoice - (April-September 2024)

| Code

- Achieved 95% data parsing accuracy and enabled real-time search capabilities by implementing a MongoDB database for scalable document storage and retrieval of over 500 invoice records.
- Enabled one-click export of extracted invoice fields to standardized JSON, streamlining persistence in MongoDB and simplifying downstream integrations with analytics and ERP systems.

### Physics-Informed Neural Network for PDE Solving - (December 2024 - February 2025)

| Code

- Implemented an 8-layer deep neural network and utilized TensorFlow's automatic differentiation ('GradientTape') to compute the complex partial derivatives required by the model, achieving a highly accurate approximation of the PDE solution.
- Designed and implemented a Physics-Informed Neural Network (PINN) using Python and TensorFlow to solve the nonlinear Burgers' PDE, a standard benchmark in computational fluid dynamics.

## CERTIFICATION

- Certified in React** by **HackerRank**, demonstrating strong skills in building dynamic user interfaces, managing state efficiently, and applying core React concepts in real-world projects.
- Certified in SQL** by **HackerRank**, showcasing proficiency in writing complex queries, managing relational data, and applying core database concepts.

## LANGUAGES

English (Professional), Hindi (Professional), Bengali (Native)