SOUVIK MOHANTY

souvik.mohanty.tech@gmail.com linkedin.com/in/souvik-mohanty-415552242
7751897547 Baleswar, Odisha </> geeksforgeeks.org/user/souviksou5pgy

PERSONAL STATEMENT

- Passionate Computer Science student skilled in full-stack development and Data Structures Algorithms (DSA).
- Actively engaged in coding contests and real-world projects to enhance technical and teamwork skills.
- Eager to contribute to impactful software solutions through continuous learning and practical experience.

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Java
- **Web Development:** HTML, CSS, React.js, Tailwind CSS
- **Backend Frameworks:** Spring Boot
- **Database Technologies:** MongoDB, PostgreSQL
- **Tools Platforms:** GitHub, Postman, VS Code, IntelliJ IDEA
- **Concepts:** Data Structures and Algorithms (DSA), OOP, DBMS, Computer Networks, Operating System

PROJECT

AGROLINK – SMART AGRICULTURAL SUPPLY CHAIN PLATFORM

- **Problem:** Farmers face challenges in directly accessing buyers, receiving timely crop/weather advisories, and managing logistics and payments efficiently.
- **Solution:**
  - Built a full-stack smart agriculture platform using **Spring Boot (Java)** for the backend and **React.js** for the frontend, enabling seamless farmer-to-buyer interactions.
  - Designed a scalable **microservices architecture** with separate services for User, Order, Product, and Communication modules.
  - Implemented **JWT-based authentication** and role-based access control for five user types: Farmer, Buyer, Logistic Carrier, Area Manager, and Admin.
  - Used **MongoDB** for efficient NoSQL data storage and built secure **RESTful APIs** for service communication.
  - Integrated features like crop advisory, weather updates, agri-tool marketplace, Razorpay-ready digital payments, and logistics tracking.
- **Achieved:**
  - Reduced middlemen dependency by enabling direct connections between farmers and buyers.
  - Improved transparency and traceability in agricultural transactions.
  - Provided a scalable and modular platform that can be extended to rural markets across regions.

LEARNING MANAGEMENT SYSTEM

- **Problem:** Students and teachers often face difficulty in managing assignments, announcements, and academic communication on a single platform.
- **Solution:**
  - Developed a responsive and user-friendly front-end for a Learning Management System using **HTML**, **CSS**, and **React.js**.
  - Designed interfaces for teachers to post announcements, send messages, and create assignments.
  - Integrated a student-side portal to view announcements and upload assignment submissions efficiently.
- **Achieved:**
  - Enhanced digital classroom experience with a clean and organized user interface.
  - Simplified assignment tracking and improved communication flow between students and teachers.

INTERNSHIP

- **Web Development Intern** *June 2024 – July 2024*
  Parala Maharaja Engineering College
  - Built a Learning Management System (LMS) using **HTML**, **CSS**, and **React.js**.
  - Gained hands-on experience in responsive web design and frontend development practices.

EDUCATION

EDUCATION

- **B.Tech in Computer Science and Engineering**
  Parala Maharaja Engineering College, Odisha *2022 – 2026*

EXTRA-CURRICULAR ACTIVITIES

- Solved coding challenges and participated in **DSA contests** on **GeeksforGeeks**.
- Participated in the national-level **Smart India Hackathon (SIH)**.
- Took part in various **college-level coding competitions** and tech events.