

Sudipto Paul

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PROFESSIONAL SUMMARY

Available for immediate joining.

Results-driven **Full-Stack Developer** with hands-on experience in building scalable web applications using **React.js**, **Node.js**, and modern JavaScript frameworks. Skilled in developing high-performance user interfaces, optimizing application performance, and integrating **RESTful APIs** for seamless functionality. Experienced in modernizing legacy systems and collaborating with cross-functional teams to deliver reliable, user-focused solutions. Passionate about writing clean code and building efficient **MERN Stack** applications that enhance product performance and user experience.

EXPERIENCE

Digital Avenues Infotech Private Limited

Kolkata

Software Engineer

Jun 2025 - Jan 2026

- Developed **20+ scalable and reusable UI components** using React and Ant Design with **100% pixel-perfect implementation from Figma designs**, accelerating feature delivery and maintaining consistent design standards across the application.
- Built a customizable component library and optimized global state management, **reducing frontend development time for new features by 40%** and minimizing unnecessary re-renders to significantly improve application performance and state predictability.

Advance Software Technologies Pvt. Ltd

Kolkata

Software Developer

Aug 2024 - May 2025

- Led the modernization of legacy web infrastructure by migrating **100% of core frontend modules from jQuery to ReactJS with Redux**, improving application stability and **reducing UI-related production issues by ~40%**.
- Refactored complex codebases and implemented modular React architecture using Hooks and Context API, **improving page load performance by ~35% and accelerating release cycles by 25%**.

EDUCATION

B. P. Poddar Institute of Management and Technology (MAKAUT)

Kolkata

Master of Computer Application (MCA)

Nov 2021 - Jun 2023

PROJECTS

Smart Doctor Appointment & Scheduling Platform

Jan 2023

- Developed a healthcare booking platform using MongoDB, Express.js, React.js, and Node.js, supporting **500+ users/month** and **reducing appointment booking time by 40%**.
- Implemented real-time availability and secure patient data handling in the MERN stack, enabling **1,000+ monthly appointments** with **99.9% system reliability**.

AI-Driven Flood Risk Prediction & Disaster Mapping System

Jul 2022

- Built a disaster risk prediction system using **Deep Neural Networks (DNN) with GIS data**, generating flood susceptibility maps that improved **prediction accuracy by ~30%** for identifying high-risk zones.
- Applied **Multi-Criteria Decision Analysis (MCDA) and Analytical Hierarchy Process (AHP)** to evaluate environmental factors, enhancing **disaster risk assessment reliability by ~25%** across mapped regions.

AI-Powered Route Optimization for Electric Vehicle Logistics

Feb 2022

- Designed an intelligent EV routing system using optimization algorithms and real-time route analysis, **improving delivery efficiency by ~35% and reducing travel distance by ~20%**.
- Implemented strategic charging-station placement and energy optimization algorithms, **lowering energy consumption by ~25% and operational costs by ~18% for delivery routes**.

TECHNICAL SKILLS

Programming Languages: JavaScript (ES6+), TypeScript, Python, PHP, Java, C, C++, HTML5, CSS3

Frontend Development: React.js, Redux, Ant Design (AntD), Tailwind CSS, Responsive UI Development

Backend Development: Node.js, Express.js, RESTful API Development, GraphQL, Microservices Architecture

Databases: MongoDB, MySQL, Firebase, Redis

Cloud & DevOps: AWS, Microsoft Azure, Docker, CI/CD Pipelines, GitHub Actions, Linux Environment

Tools & Version Control: Git, GitHub, Agile Development, Code Versioning, Debugging & Performance Optimization

Additional Technologies: Kafka, Pandas, NumPy, Machine Learning Fundamentals, Cybersecurity Best Practices

Core Computer Science: Data Structures & Algorithms, Object-Oriented Programming (OOP), Database Management

Certifications: Full Stack Development (MERN), Kubernetes Fundamentals, Linux Shell Scripting, CI/CD with GitHub Actions