Devayan Mandal

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EDUCATION

JIS College of Engineering, Kalyani — Aug 2021 - Jun 2025
B.Tech in Information Technology — *CGPA: 7.2 / 10.00*
- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming (Java), Database Management Systems (SQL), Operating Systems, Machine Learning (Python), Blockchain Technology, Web Technology, Software Engineering, Computer Networking, Cloud Computing, Artificial Intelligence

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, C++, Java, Rust
Technologies: React.js, Redux, Vue.js, Next.js, Node.js, Express.js, Bootstrap, Tailwind CSS, Material UI
Tools : Docker, Linux, Git, GitHub, Vite.js, NPM
Databases: MongoDB, MySQL, PostgreSQL, Redis

EXPERIENCE

PHICSIT InfoTech Pvt. Ltd. — Sept 2024 – Present
Full-stack Developer — *Remote*
- Engineered **Nexfellow** (3K+ MAUs), a community platform with real-time collaboration, reputation scoring, and analytics pipelines using **Node.js**, **MongoDB**, and **WebSockets**.
- Designed scalable systems: **feed ranking**, **suggestion engine**, access control (**JWT**, **refPath**), and media infra with **Bunny CDN** (~**45% faster**).
- Reduced backend P95 latency by ~**60%** via index tuning, cursor pagination, and query projection; contributed **50+** production commits in CI/CD workflows.

PROJECTS

ASSETHUB | *React.js, Node.js, Express.js, Ethereum, MongoDB, Web3.js* — LINK
- **Role: Team Lead & Full Stack Developer**
- Led the development of a decentralized application (DApp) for **asset management** on the **Ethereum blockchain**, aiming to streamline **10,000+ paper records**.
- Implemented **smart contracts** for secure, transparent asset registration, anticipating a **50% reduction in transaction time and costs**.
- Designed user interfaces with **Bootstrap** for improved user experience and accessibility.

PRAMAANPATRA | *React.js, Redux, Node.js, Ethereum, NFT* — LINK
- **Role: Team Lead & Full Stack Developer**
- Spearheaded a blockchain-based system to digitize **20,000+ paper certificates** for the Government of Gujarat, enhancing operational efficiency by **40%**.
- Utilized **NFT technology** for secure and verifiable certificate issuance.
- Collaborated with cross-functional teams to ensure system scalability and user-centric design.

EXPOSIO | *React.js, Appwrite, TypeScript, Tailwind CSS* — LINK
- **Role: Full Stack Developer**
- Developed a social media platform with **secure authentication** and efficient data fetching capabilities.
- Implemented key features including an **explore page**, **post interactions**, and **profile management** for a seamless user experience.
- Utilized **Tailwind CSS** for responsive UI design, ensuring compatibility across devices.

PATENT

Proximity Based Safety and Community Empowerment App — LINK
- **Description:** Developed a community empowerment application utilizing **Node.js** and **React.js**. This app performs distance-based searches in response to distress signals and notifies nearby community members via **SMS** with a live location map, leveraging **Twilio** for rapid communication.
- **Patent Number:** 202431029543 A   **Date Issued:** April 26, 2024
- **Impact:** The app improves community safety and response times, aiming to reduce emergency delays by **30%**.