NIKHIL KUMAR PATRA

Full Stack Developer

Newtown, Kolkata | +91 9800117380 | nikhilkumarpatra36@gmail.com
https://www.linkedin.com/in/nikhil-patra-b81906244 | https://github.com/nkl0zip

Full Stack Developer skilled in React.js, Next.js, Node.js, Express.js, and MongoDB with expertise in data structures and algorithms (400+ problems). Built scalable applications, optimized user experience, and secured 1st place in Best website competition. Passionate about learning and developing high-performance web solutions with REST APIs, databases, and cloud security.

EDUCATION

Amity University, Kolkata, West Bengal   **Aug 2022 - Present**
Bachelor of Technology - Computer Science and Engineering
Courses: Data Structures, Algorithms, Database Management Systems, Programming Languages.

SKILLS

- Technologies: Node JS, Express JS, MongoDB, React JS, Prisma, JDBC
- Languages: Java, C, JavaScript, TypeScript, SQL
- Databases: MySQL, MongoDB
- Cloud: AWS
- UI/UX: Figma, Canva
- Version Control System: Git, GitHub
- Others: Competent with data structures and algorithms, with a track record of solving 300+ problems in LeetCode.
- Soft Skills: Resilience, Highly organized, Creative.

PROJECTS

1. Movie Recommendation Website, MovieFy (ReactJs, Styled-Components)   **Feb 2024**
- Implemented props and states to create movie cards for efficient use of components and management.
- Used react-router-dom for routing pages effectively.
- Awarded 1st place for Best UI/UX in an inter-university competition.

2. Expense Tracker Website, MoneyChamp (React JS, MongoDB, ExpressJS, ChartJS, MUI)   **June 2024**
Built a full-stack website that let's user create their own profile with user-authentication and categories and store their income and expense transaction while keeping an overview insight with JS library:
- Integrated Chart.js for interactive financial insights, improving user decision-making and Material-UI for user-friendly interface.
- Optimized backend APIs, reducing response time by 30% for a seamless user experience.

3. Resume Builder Website, AlphaResume (ReactJs, NextJs, ExpressJ)   **April 2024**
Developed a real-time generation web application using Next.js, enhancing user experience and boosting engagement by 30% during testing. Leveraged modern tools and libraries to ensure a high-performance and responsive interface:
- Integrated live-rendering to provide instant preview functionality.
- Designed the app with future expansion in mind, making sure the system can effectively manage rising user demand.
- Followed coding guidelines and normalization rules while securing top 5 position in a Hackathon.

4. AI-Powered Sensitive Information Redaction (MERN + Python)   **March 2025**
- Developed an AI-powered web application using MERN stack and Python to detect and blur sensitive data in images using OCR and image processing.
- Implemented real-time text detection with EasyOCR and applied Gaussian Blur using OpenCV for enhanced data privacy protection.
- Integrated Python processing with a REST API in Express.js, ensuring seamless communication between frontend and backend for fast, secure image handling (Multer).

CERTIFICATES

Smart India Hackathon 2024   **Sept 2024**
MERN Stack Course (Udemy)   **April – May 2024**