Sandeep Mehta

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GitHub Link | Portfolio Link | LinkedIn Link

Education

Indian Institute of Technology, Patna, India *Aug 2023 – June 2026*
B.Sc. in Computer Science & Data Analytics CGPA: 8.87/10

Shri Veer Teja Sr. Sec. School, Kelwara, Baran, India *June 2020 – June 2021*
12th RBSE Board Exam Percentage: 98.80

Tagore Bal V.N. Sec. School, Kelwara, Baran, India *June 2018 – June 2019*
10th RBSE Board Exam Percentage: 95.00

Skills

Languages: Python, C++, HTML5, CSS3 , JavaScript, TypeScript, SQL
Cloud Platforms: Firebase
Frameworks & Tools: React.js, Next.js, Express.js, Node.js, Redux Toolkit, Tailwind CSS, Canva, Strike & Razorpay Gateway, Brevo SMTP, Docker, Kubernetes, Git, Github, CI/CD, VS Code, Postman, Prisma ORM
Databases: MySQL, MongoDB, PostgreSQL

Professional Experience

Nextute, Full Stack Developer *May 2025 – August 2025*

- Developed and integrated production-grade full-stack modules using MongoDB, Express.js, React.js, and Node.js, contributing to scalable and maintainable web application architecture.
- Optimized state management and REST API interactions, improving application performance, responsiveness, and reducing unnecessary re-renders in React-based components.
- Worked cross-functionally in an Agile team to deliver modular, scalable features under tight timelines while maintaining high-quality, reusable code.

Academic Projects

QuickStay - Hotel Booking Application | React.js, Redux Toolkit, Node.js, Express.js, MongoDB
Live Project | Frontend Github Repo   Backend Github Repo *2-3 Months*

- Built a full-stack hotel booking platform using the MERN stack with JWT-based authentication, search, and booking workflows.
- Developed RESTful APIs with Express.js and MongoDB, integrating Stripe payment gateway and Brevo SMTP for automated booking confirmation emails.
- Implemented Redux Toolkit for efficient state management and used Tailwind CSS to deliver a responsive, cross-device user interface.

YouTube-Tweet | React.js, Redux Toolkit, Node.js, Express.js, MongoDB
Live Project | Frontend Github Repo | Backend Github Repo *3-4 Months*

- Built a full-stack video sharing and micro-posting platform inspired by YouTube, supporting video uploads, tweet-style posts, playlists, and channel subscriptions.
- Developed scalable RESTful APIs using Node.js, Express.js, and MongoDB with JWT-based authentication, server-side pagination, and aggregation pipelines.
- Implemented a React + Redux Toolkit frontend with protected routes, optimized state management, and responsive UI, integrating Cloudinary for media handling.

Engineering Highlights

- Designed and built multiple **production-grade full-stack applications** using the MERN stack, implementing authentication, payments, and scalable REST APIs.
- Implemented **JWT-based authentication**, role-based access control, and secure API workflows across projects.
- Worked extensively with **MongoDB aggregation pipelines, pagination, and indexing** to optimize data-heavy application performance.

ACHIEVEMENTS

- Solved **160+ Data Structures and Algorithms problems** on LeetCode across Easy, Medium, and Hard categories.
- Recognized as Best Student at Block and District levels for excellence in academics and extracurricular activities.