

Mayank Monu

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Education

Thapar Institute of Engineering and Technology, *Master of Computer Applications* July 2024 – Present

- **Coursework:** Data Structures, Operating System, Database Management, Design and Analysis of Algorithms, Software Engineering, Artificial Intelligence, Object-Oriented Programming, Theory of Computation, DevOps.

Projects

PeerConnect – Campus Social Network | FullStack Development : *ReactJS, NodeJS, TailwindCSS, Javascript, Socket.io, MongoDB*.

- Developed a full-stack social platform that facilitates student connections through activities, messaging.
- Implemented real-time communication using Socket.io for instant messaging and group chat functionality.
- Built a responsive frontend using React.js, Framer Motion, and Tailwind CSS with custom animations and dark mode support.
- Engineered a RESTful API backend with Node.js and Express, featuring JWT authentication and MongoDB integration.
- Live Link (Might not work properly due to database delay) [Click Here](#)

Invoice-Pro – Invoice Management Tool . | Full Stack Development : *NextJS, Express.js, MongoDB, TailwindCSS*.

- Developed an invoice generation and tracking system for small businesses.
- Invoice Management - Create, edit, view, and track invoices.
- Features include client management, itemized billing, and PDF export of invoices.
- Backend with Express.js and MongoDB for data storage and retrieval.
- [Repo Link](#)

StoreIt - Free online storage website. | Tech Stack : *NextJS, Typescript, TailwindCSS, Appwrite*

- Developed a comprehensive full-stack web application enabling users to securely store and manage their files online.
- Utilized Next.js to implement dynamic routing and server-side rendering.
- Designed and integrated user authentication for personalized storage, supporting file uploads.
- Link might not work cause of Appwrite subscription. - [Live Link](#)

Weather Website - Real-Time Weather updates and forecast. | Frontend Development : *Javascript, HTML/CSS, OpenWeatherMap APIs*

- Live Weather Reports: Users can access real-time weather data, including temperature, humidity, wind speed, and forecasts.
- Integrated OpenWeatherMap API to show temperature, humidity, and wind details.
- Focused on mobile-first design with a simple and responsive layout.
- [Live Link](#)

Technical Skills

Languages

C++ , Javascript, Python, SQL, HTML/CSS, Typescript.

Frameworks/Libraries :ReactJS, NodeJS, ExpressJS, NextJS, Tailwind CSS, Bootstrap, Anime.js, Framer Motion, Socket.io.

Tools & Platforms: Git, GitHub, Docker, Postman, MongoDB, MS SQL Server, VS Code, ESLint, Zod.