SHIVAM TIWARI

Full Stack Developer | Babu Banarasi Das University, Lucknow

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Education

Babu Banarasi Das University, Lucknow   October 2021 – July 2025
B.Tech Computer Science Engineering

Skills

Programming : **C**, **C++**, **JAVA**
Frontend : **HTML5**, **CSS3**, **Bootstrap 5**, **JavaScript**, **React.js**, **EJS**
Back-end : **Node.js**, **Express.js**, **MongoDB**, **APIs**
Tools/Software : **Postman**, **Thunder Client**, **Git**, **GitHub**, **Vercel**, **Figma**

Projects

Interactive Chess Game | [Demo](#) | [GitHub](#)

- **Developed a Robust Chess Game:** Engineered a chess game using **HTML**, **CSS**, and **JavaScript**, implementing all standard chess rules, including dynamic piece movement tracking and management of eliminated pieces. Integrated advanced features such as castling and piece promotion to enhance gameplay.
- **Ensured Realistic Gameplay and Rule Accuracy:** Achieved accurate rule enforcement and realistic gameplay through **comprehensive move validation** and real-time updates of game progress, including the dynamic management of piece positions and captures.

NewsMonkey | [Demo](#) | [GitHub](#)

- **Created a responsive interface:** Utilized **ReactJS** to ensure seamless navigation and interaction, enhancing user experience.
- **Integrated News-API for comprehensive news coverage:** Implemented **infinite scroll** and a **react-top-loading-bar** to improve browsing experience and reduce bounce rates.
- Exhibited proficiency in **ReactJS** and **API integration**: Enhanced user engagement by delivering news from **5+ categories** with optimized loading and navigation.

NoteMaster | [Demo](#) | [GitHub](#)

- **Developed a full-featured note-taking application:** Leveraged the **MERN** stack to create a seamless user experience for managing notes.
- **Implemented secure user authentication:** Utilized **JWT** and **Bcrypt.js** for robust account creation and login processes, ensuring data security.
- Enabled **CRUD** operations for notes: **Built RESTful APIs** to support adding, reading, updating, and deleting notes, enhancing user productivity.
- **Validated user inputs:** Incorporated react to ensure accurate and reliable data entry.

Expense Meter | [Demo](#) | [GitHub](#)

- Developed an expense meter web app enabling date-wise expense input and yearly expense chart viewing using **React.js**.
- Utilized React's component-based architecture for efficient **UI rendering** and **state management**. Showcased expertise in React development and data visualization.
- **Graphical Expense Analysis**: Displays yearly expenses with monthly breakdowns, aiding financial tracking and planning.
- **Demonstrated Technical Proficiency**: Showcased proficiency in React development, UI/UX design principles, and effective data visualization techniques.

Extra Curricular Activities

- Participated in [Hackathon](#) conducted by Coding Blocks.
- Attended Google Developer Student Club WOW.

Certificates

- [Introduction to HTML5](#) and [CSS3](#) by University of Michigan
- [Introduction to Soft Skills](#), [Communication Skills](#) by TCS iON.