SURABHI AGARWAL

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 *CGPA: 8.9/10*

Skills

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

Experience

Virtuaqaptive Consulting Services Private Limited July 2024 – **Present**
Software Engineer *Remote*

- Designed and implemented a dynamic command bar using the **Shadcn** command component to enhance user navigation and efficiency within the application.
- Successfully integrated a language learning model using the **Gemini API**, enabling advanced command recognition and execution, significantly improving user interaction and responsiveness.
- Employed **React** to build a robust and scalable frontend architecture, managing state, handling component lifecycles, and ensuring seamless integration with other application components.

Projects

NewsMonkey View Project

- **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.

iNoteBook View Project

- **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.

TextUtils View Project

- Created a text utility application using **ReactJs** with functionalities such as dark mode, light mode, text copying, text conversion to uppercase and lowercase, and text clearing.
- Added features to count words, characters, and estimated reading time.
- Implemented a text preview section for real-time updates based on user input.

Extra Curricular Activities

- Participated in Hackathon conducted by Coding Blocks.
- Attended Google Developer Student Club WOW.

Certificates

- Web Development with HTML, CSS & JavaScript by IBM.
- Introduction to Software Engineering by IBM.
- Introduction to Soft Skills, Communication Skills by TCS iON.