Astha Singh

+91 9569803119 | asthas418@gmail.com | linkedin.com/in/astha | github.com/astha

EDUCATION

Madan Mohan Malaviya University Of Technology Gorakhpur, UP
B.Tech in Computer Science & Engineering *Sept. 2023 – Present*

St. John's School Ghazipur, UP
ISC, Computer Science *March 2023*

PROJECTS

HomyHub | *React, MongoDB, Redux, Redux Toolkit, Nodejs, Expressjs*
- **Real-time** property search with filtering options for location, price, and amenities.
- **User authentication and authorization** using [JWT/OAuth].
- **Responsive UI** with intuitive navigation for better user experience
- **Utilized a RESTful API** for backend connection with frontend.

VoyaAI | *React, Firebase, Gemini API*
- **Built** an AI-powered travel planner using **Gemini API** and **Firebase** for real-time data and authentication.
- **Developed** an interactive UI with **React.js** and **Tailwind CSS** for a seamless user experience.
- Designed a **secure** authentication system with **Firebase Auth** and **Google OAuth**.
- AI-generated travel plans with **80% relevance in 10+ testcases** using Gemini API

ProConnect | *Nextjs, React, MongoDB, Redux, Redux Toolkit, Nodejs, Expressjs*
- Implemented **real-time connections and profile customization**
- **Integrated secure authentication** and optimized backend with Node.js and MongoDB.
- **Optimized backend with MongoDB and Node.js**, ensuring efficient data handling and fast API responses.
- **Designed an intuitive user experience**, leveraging Next.js for a responsive and engaging frontend.

ElevateU | *Nextjs, React, MongoDB, Nodejs, Expressjs, Razorpay API, Redux*
- Developed an E-learning platform allowing **users to securely purchase and stream video content**.
- Implemented secure **JWT authentication** with Bcrypt for **user management and protected route access**.
- **Integrated Razorpay** for real-time course purchases and automated email confirmations.
- **Built RESTful APIs and cloud video streaming capabilities** using Multer, Streamifier, and Cloudinary.

EchoMeet | *React, MongoDB, Nodejs, Expressjs, WebRTC, Socket.io*
- **Developed a real-time video calling and chat system** using for seamless communication.
- **Implemented secure end-to-end encryption** for video, audio, and chat messages to ensure user privacy.
- **Optimized video streaming** and chat performance by reducing latency and handling multiple users efficiently.
- **Integrated user authentication with JWT/OAuth** for secure access and session management.

TECHNICAL SKILLS

Languages: Java, C/C++, JavaScript, HTML/CSS, SQL
Frameworks & Libraries: React, Node.js, Expressjs, Nextjs, Redux ToolKit, Bootstrap
Developer Tools & Platforms: Git, GitHub, VS Code, Visual Studio

ACHIEVEMENTS

- Placed among the top **2.1%** of participants in **Codechef Starters 165**. Profile Link
- Ranked **4,564** in **Codeforces Round 978 DIV 2**, placing among the top **15.2%** of participants. Profile Link
- Solved **430+ problems** on **LeetCode**. Profile Link
- **Proficient in Data structures & Algorithms and problem-solving**.

POSITION OF RESPONSIBILITY

Executive Member at Coders & Developers Club, MMMUT