ABHAY KUMAR

📞 +91 9793507683   ✉ bismarcksvbp@gmail.com   🔗 linkedin.com/in/abhay-kumar   ⭘ github.com/BismarckSVBP

Education

Madan Mohan Malviya University of Technology   **2023 – 2027**
Bachelor of Technology in Computer Science and Engineering (current CGPA : 8.48)   *Gorakhpur, Uttar Pradesh*

Siddhartha University   **2021-2023**
Diploma in B.Sc. (Mathematics) (CGPA : 8.14)   *Siddharth Nagar, Uttar Pradesh*

CBS Public School   **2017-2021**
Highschool in 2019 (85.67%), Intermediate(10+2) in 2021 (81.40%)   *Basti, Uttar Pradesh*

Projects

Train Tracker Website / *JavaScript, TypeScript, NodeJS, React*   **March 2024**
Project Link: Live Demo | GitHub Repository
- Live Train Running Status: Implemented real-time train tracking by integrating live location APIs for accurate updates on train movement.
- PNR Status (Under Development): Simulated PNR status checking feature using dummy data, designed to demonstrate backend and frontend data flow in the absence of live APIs.
- Coach Layout (Under Development): Created a mock interface to display coach seating arrangements using sample data, laying the groundwork for full integration once APIs are available.
- User Interaction – Feedback Form: Developed a Contact Us form to collect user feedback and suggestions directly through the website.

Authentication through OTP Verification / *JavaScript, NodeJS, React, MongoDB*   **December 2023**
Project Link: Live Demo | GitHub Repository
- Signup Flow: Implemented a fully responsive signup system with email OTP verification using Node-mailer and route protection.
- Login Flow: Developed a secure login system with route protection and dashboard access for authenticated users.
- Forgot Password Flow: Built a password recovery system with reset link functionality and secure credential update.
- Contact Us Flow**:** Created a responsive contact form to collect user feedback and send messages via backend integration.

URL Shortner Website / *JavaScript, EJS, NodeJS, MongoDB*   **August 2023**
Project Link: GitHub Repository
- Authentication Flow: Secured API endpoints using JWT to ensure only authenticated users can access protected routes.
- URL Shortening Flow: Generated unique short URLs using short-id and stored them with original links in MongoDB.
- Analytics Flow: Tracked click events and provided visit history with total click counts for each shortened URL.
- Rendering Flow: Dynamically rendered all created short URLs on the frontend using a templating engine for real-time updates.

Technical Skills

Languages: C, C++, JavaScript, TypeScript

Data Structures and Algorithms: Proficient in implementing and optimizing data structures and algorithms using C++

Runtime / Platform: Node.js

Frameworks / Libraries: React, Express, Next.js

Databases: MongoDB**,** MySQL

Achievements

- Secured 2nd Rank in a **GitHub** event – Link
- Secured a Top 10 Rank in a Capture The Flag (CTF) competition at the college level.
- **CodeChef**: ★★ (Max Rating: 1505) – Profile
- **LeetCode**: Solved 200+ problems – Profile
- **Codeforces**: Newbie (Max Rating: 834) – Profile
- Successfully qualified **JEE Mains** multiple times.
- Won several college-level competitions in coding, technical events, and hackathons.

Extracurricular

- Won multiple college-level Chess competitions organized under the Robomania and Techsrijan.
- Winner of Debate Competitions at both college and school levels.