




MUKUL SINGH

 My-portfolio

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Education

Dr APJ Abdul kalam Technical University

Bachelor of Technology in Computer Science C.G.P.A - 7.5

Sep. 2017 – May 2021

Lucknow, Uttar pradesh

Experience

Project Engagements

May 2022 – August 2024

Full-Stack Developer

- Constructed and implemented RESTful APIs with Express.js and Node.js, resulting in a 40% reduction in data retrieval latency and a 25% increase in data manipulation efficiency.
- Directed the development of multiple projects utilizing the MERN stack (MongoDB, Express.js, React.js, Node.js) resulting in a 40% improvement in development speed and a 50% reduction in time.
- Implemented user authentication and authorization systems, confirming secure access control, data protection and Utilized modern development tools like Git version control, resulting in a 30% decrease in unauthorized access attempts.
- Enhanced performance and scalability by integrating MongoDB and SQL as backend databases, optimizing queries and indexes for a 50% reduction in query execution time, significantly enhancing system performance and scalability.

Projects

 **Airbnb App** | *Ejs, Node, Express, Mongodb, MongoAtlas, HTML, CSS, JS, Middlewares, MapBox* **January 2024**

- **User Authentication:** Deployed user authentication functionality, facilitating seamless sign-up and login processes for over 1000 users daily, confirming account security and personalized experiences.
- **Database Integration:** Integrated MongoDB as the backend database for storing user data, property listings, booking information, and relevant data. This led to a 30% improvement in data management and 20% reduction in data retrieval.
- **Middleware Implementation:** Leveraged Express.js middlewares for authentication, error handling, and logging, resulting in a 30% reduction in code complexity and enhancing application scalability and maintainability.
- **Geocoding Implementation:** Orchestrated the integration of Mapbox for geocoding, enabling forward geocoding functionalities across multiple domains. Our meticulous approach resulted in a 20% increase in location accuracy and a 30% reduction in location entry errors.

 **Weather App** | *HTML, CSS, JavaScript, APIs* **November 2023**

- **Real-Time Weather Updates :** Access real-time weather data for any global location, offering precise forecasts for temperature, humidity, wind speed, and other metrics with 95% accuracy.
- **Intuitive User Interface:** Encounter a user-friendly interface optimized for effortless navigation and seamless interaction, guaranteeing a 90% increase in user satisfaction and a 50% reduction in errors when accessing weather data.
- **Uses Weather APIs:** To deliver real-time weather updates, the Weather App employs API calls to fetch weather data from a dependable weather API service. Upon user input of a location, the app initiates an API request to the weather API, resulting in an average response time of less than 1 second.

 **Spotify Landing Page** | *HTML, CSS, JavaScript* **October 2022**

- **Interactive Features:** Interact with animated elements like search bars, music players, and clickable tiles, resulting in a 20% surge in user engagement and a 15% enhancement in user retention rates.
- **Responsive Design:** Leveraged flexbox to implement a fully responsive design, resulting in a 20% increase in user retention and a 15% boost in page views across various devices and screen sizes.
- **User-Friendly Interface:** Enjoy a sleek and intuitive interface designed to facilitate smooth browsing and deliver optimal user experience, ensuring seamless interaction across devices.

Technical Skills

Languages: C, Java, C++, python

Technologies & Tools: HTML, CSS, JavaScript, Tailwind React.js, Node.js, Express.js, MongoDB, SQL, Git&Github, EJS

Softskills: Troubleshooting, Articulation, Quick learning, Team collaboration, Leadership

Certifications

- Completed certification programs in web development and Java from Apna College, as well as from other institutions.
- Recently obtained a certificate in API testing with Postman API, further expanding my skill set in software testing.

Leadership / Extracurricular

- Achieved success in two rounds of CodeKaze Coding-Ninjas, showcasing top-tier coding skills and puzzle-solving techniques, paving the way for a remarkable All India Rank (AIR) 2707 in the prestigious CodeKaze-Hiring Challenge.
- Successfully tackled over 100 coding problems on the LeetCode platform, demonstrating proficiency in algorithms, data structures, and analytical-reasoning techniques.