

Nitin Tiwari

+91-9354414775

officialnitintiwari09@gmail.com

linkedin/Nitin

github/Nitin

Education

ABES Institute Of Technology

July 2024

Bachelor of Technology in Computer Science and Engineering (GPA: 7.16 / 10.00)

Ghaziabad, Uttar Pradesh

- **Relevant Coursework:** Data Structures and Algorithms (C++), Prob & Stat in CS (Python), Intro to CS II (C++), Linear Algebra w/Computational Applications (Python), Fullstack Development(MERN)

Experience

Bharat Intern

April 2023 – May 2024

Software Developer

Remote, Delhi

- Implemented microservices architecture using Node.js and Express, improving API response time by 25% and reducing server load by 30%.
- Led a cross-functional team in implementing a new feature using React and Redux, resulting in a 20% increase in user engagement within the first month.
- Optimized MySQL database queries, reducing page load times by 15% and enhancing overall application performance.
- Optimized web application performance using code splitting, lazy loading, and efficient database interactions, improving site speed by 35%.
- Collaborated in the back-end system development for API integration, improving data consistency and processing speed.
- Implemented user input validation and error handling in a website form, reducing user-reported errors by 25%.
- Developed a personal portfolio website using react.js, boosting professional visibility by 20% and facilitating seamless project showcase.
- Created a Temperature Converter tool using react.js with 100% accuracy for Celsius, Fahrenheit, and Kelvin conversions.
- Implemented responsive design techniques, ensuring seamless user experience across devices and improving mobile accessibility by 25%.

Projects

Automated Trading Platform | Python, Tkinter, Pandas, NumPy, API

- Developed an automated stock trading platform utilizing Python and Shell Scripting for user-defined strategies.
- Integrated Tulpyp for technical analysis and yfinance for real-time data collection, executing trades based on custom strategies. Ensured accuracy with stop-loss and profit margin calculations, optimizing response time for trade execution by 25%.
- Leveraged multiple libraries and tools, including Pandas, NumPy, Tulpyp, Yfinance, Flask, MongoDB, and ElasticSearch, for robust functionality and efficient system design.

Real-Time chat | React.js, Express.js, Frontend, API, TailwindCSS, Socket.io

- Developed a real-time chat application with React.js and Socket.io, achieving 97% uptime for seamless user communication.
- Implemented efficient state management and optimized UI components, reducing average load time by 30%.
- Facilitated real-time message exchange with a latency of less than 100ms, enhancing user experience in high-traffic rooms.

Crypto Currency Tracker | Reactjs, TailwindCSS, API, React States, redux

- Developed a Cryptocurrency Tracker App using React for the frontend and Flask (Python) for the backend, enabling users to monitor 100+ cryptocurrencies in real-time
- Integrated a cryptocurrency API to fetch live price data and historical trends, improving data accuracy by 20% and providing up-to-date market insights.

Technical Skills

Languages: c++ , java , python , javascript , typescript , SQL, HTML, CSS,

Technologies: React.js, Express.js, TailwindCSS, Node.js, Socket.io

Tools: VS code , Github , ChatGPT , Prompt Engineering