Nikhil Tiwari

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SUMMARY:

Motivated and detail-oriented Computer Science student with a strong foundation in mobile application development and decentralized systems. Experienced in building scalable, secure, and user-centric solutions using React Native, TypeScript,and MySQL. Passionate about solving real-world problems through technology.

SKILLS:

- **Application Development -** React Native, Context API
- **Frontend -** React.js,JavaScript
- **Backend -** Node.js,Express.js, JWT
- **Database -** MySQL, Firestore
- **Programming languages -** C++,JavaScript,Python,TypeScript ,Solidity
- **Tools -** Visual Studio, Android Studio, Postman, Remix IDE,Github

PROJECTS:

MyExpenses - React Native,TypeScript , Mysql, JWT, MySQL, RESTful APIs

- A personal finance tracker that manages the records of transaction of user with spend analysis.
- Implemented user authentication with JWT and Context API (Login/Register).
- Designed MySQL schema and used connection pooling for optimized queries.
- Built frontend with secure AsyncStorage and global state management.
- Integrated dynamic transaction tracking with real-time data updates via secure API calls.

TrackYourBus - React Native ,TypeScript, Firestore, Node.js

- Developed a mobile application that allows users to search, track, and book bus tickets online.
- User-friendly UI designed for seamless navigation and ticket booking.
- Backend integration using Node.js to manage bus data and provide real-time tracking.
- Integrated real-time bus location updates through dynamic data simulation and Firestore.

Cryptocurrency Data Analysis - Python, Pandas, Requests, CoinGecko API, GitHub, Excel

- Developed a Python-based application that fetches live data for the top 50 cryptocurrencies from public APIs, performs basic analysis, and presents the data in a continuously updating Excel sheet.
- Integrated APIs (CoinGecko) to fetch data for the top 50 cryptocurrencies.
- Set up a live-updating Excel sheet with real-time data.

Blockchain-Based To-Do List -   Solidity, Hardhat, React.js, Ethers.js, MetaMask

- Developed a decentralized task management application where users can add, delete, and track tasks on the blockchain.
- Designed and deployed a Solidity smart contract to manage task creation, completion, and deletion.
- Integrated MetaMask for authentication and React.js for the frontend.
- Deployed and tested the contract on Hardhat's local blockchain.

EDUCATION:

- **ABESIT College of Engineering, Ghaziabad (AKTU)**   **2022 - Present**
  B.Tech in Computer Science and Engineering
- **Kendriya Vidhyalaya Ghaziabad (CBSE)**   **Passed - 2022**
  Intermediate (Physics, Chemistry,Mathematics)