NISHCHAL BALUNI

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Education

Uttar Pradesh Technical University   **Sep. 2019 – May 2023**
Bachelor of Science in Computer Science   *Gautam Budh Nagar, Uttar Pradesh*

Relevant Coursework

- Algorithm Design Analysis
- Backend Development (Node.js, Express)
- Database (SQl, No SQl)
- Frontend Framework
- Version Control (Git, GitHub)

Experience

Siemens Energy   **August 17 2022 – Feb 17 2023**
Software Engineer Intern   *Gurugram, Hariyana*

- Contributed to the design, implementation, and maintenance of a system focused on managing transportation and network infrastructure, improving data flow and operational efficiency.
- Worked alongside team members to create and deploy scalable Create, Read, Update, Delete (CRUD) APIs, enhancing system functionality and data handling.
- Worked with both SQL (MySQL) and NoSQL (MongoDB) databases to manage structured and unstructured data, ensuring high performance, availability, and scalability..
- Played a key role in implementing a roles management system, enabling different levels of user permissions and ensuring secure, hierarchical access across the system.

Dvertex Info Private Limited   **August 2023 – Feb 2025**
Junior Software Developer   *Gautam Budh Nagar, Uttar Pradesh*

- Developed backend solutions using Node.js and the Express framework, integrating both SQL and NoSQL databases (MongoDB) to meet project requirements. Built simple demo applications to demonstrate core functionalities.
- Assisted in the design and implementation of RESTful APIs, ensuring seamless integration with the "SafaiMitra" SaaS platform, while proactively addressing bugs and system issues.
- Utilized Git for version control, ensuring smooth task delegation, version management, and team coordination throughout the development cycle.

Dvertex Info Private Limited   **August 2023 – present**
Software Engineer   *Gautam Budh Nagar, Uttar Pradesh*

- Spearheaded the development of backend services using Node.js and the Express framework, integrating both SQL and NoSQL databases (MongoDB) to deliver scalable solutions that meet business needs.
- Designed and implemented RESTful APIs for the "SafaiMitra" SaaS platform, optimizing functionality and addressing complex issues to enhance user experience.
- Enhanced system performance by implementing efficient cache management techniques, integrating WebSocket for live monitoring, and optimizing database indexing for faster query responses.
- Coordinated cross-functional collaboration and managed version control using Git to streamline workflows and ensure smooth development processes.

Projects

Transaport management system | *React.js, express, node,mongodb*   **January 2023**

- Developed a user interface (UI) and implemented a secure login system using JWT (JSON Web Tokens), enabling authenticated access for users.
- Designed and integrated role-based access control, assigning specific privileges and permissions to users, such as "Bus Captain" and "User."
- Utilized MongoDB for storing user and bus-related data, and created a dashboard for "Bus Captains" to view the number of users assigned to their bus, enabling them to report to the Transport Manager.

Drug Recommendation System | *Django, Machine Learning,Htms,css,Ajax GitHub Deployment*   **March 2022**

- Developed a web application with a responsive user interface and backend built using Django, deployed locally on GitHub.Worked collaboratively in a team of four, with a primary focus on backend development. Actively engaged with a teammate to enhance system functionality and ensure optimal performance.
- Integrated machine learning models to predict drugs based on input symptoms, improving healthcare efficiency and decision-making.
- The application includes three roles: Patient, Doctor, and Super Admin, each with distinct access levels to manage data and functionalities.