DHAIRYA VARDHAN CHAUHAN

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Bennett University   Noida, Uttar Pradesh

Bachelor of Technology - Computer Science & Engineering: CGPA - **9.4**   Aug 2021 - July 2025

SKILLS SUMMARY

- **Programming:**   Java, C++, JavaScript, TypeScript, HTML, CSS
- **Frameworks & Tools:** Node.js, Express.js, React, Next.js, GraphQL, Kafka, Firebase, Spring Boot, Servlets
- **Databases and Cloud:** SQL, MySQL, MongoDB, Redis, Git & GitHub, Docker

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WORK EXPERIENCE

Zypp Electric | Software Engineer Intern   **Mar 2024 – Present**

- Optimized database queries to enhance performance, reducing execution time from **10** seconds to **1** second, significantly improving application responsiveness and efficiency.
- Built the **Zypp electric** website from scratch using Next.js, Material Ui, and Tailwind thus increasing traffic by up to 22%.
- Orchestrated the creation of a high-throughput data processing microservice utilizing Java, Redis, and BigQuery, resulting in a 60% faster data analysis time for key business insights, as solo project memberUtilized **Redis** for caching and reducing database load, improving response times.
- Implemented **OAuth2 and JWT-based authentication** with **SSO (Single Sign-On)** for seamless and secure access across microservices, enabling third-party logins, token-based authorization, and role-based access control (RBAC).
- Developed a real-time location producer service, streaming rider data to **Kafka** for ingestion in Druid. Identified and flagged **15%** data tampering using advanced analytics, significantly enhancing data integrity and accuracy.
- Developed and integrated a complete login system for **Zypp Fleet**, leveraging **Kafka** for real-time rider updates and Redis for efficient storage and fast retrieval to support live monitoring by fleet admins.
- Designed and implemented a client database to manage primary-secondary client relationships and TL OH mappings and used **Grafana** and **prometheus** for real time analytics.
- Developed **Zypp SOS** using **WebEngage** for notifications and the **Factory Pattern** for alert handling.

PROJECTS

Sorting Visualizer | Demo   **Jun 2022 – Aug 2022**

- **Optimized application efficiency by approximately 6%** by use Memo, which reduces unnecessary re-renders and enhances performance.

Track Wise | Demo   **Mar 2023 – Jun 2023**

- Built and **dockerized** a microservices-based finance app with Auth Service, Expense Service, and User Service using Spring Boot, integrated Kafka for event-driven communication between services, and used **Kong** as an API gateway for centralized routing and **authentication**.
- Engineered prompts using **Mistral.ai** to extract JSON objects from unstructured text improving parsing accuracy by **~30%**.

Enviro Pull | Demo   **Jan 2024 – Mar 2024**

- Developed **EnviroPull**, a tool to replicate all tables from a remote environment (e.g., staging) to the local database on demand, enabling quick data syncing for development and debugging.

Multithreaded Webserver | Demo   **Mar 2025 –Mar 2025**

- Developed a **Java-based multithreaded webserver** to handle concurrent client requests efficiently. Used **Java Sockets** for client-server communication and **Threads** to manage multiple connections in parallel.

ACHIEVEMENTS

- **Knight on LeetCode with a rating of 1855+.**
- **Ranked under top 2K / 35K 4 times.**
- **Achieved a top-ranking position, placing 707th out of 34,000 participants in a LeetCode contest.**
- **Solved 1100+ problems on LeetCode.**