NAVEEN CHANDRA ADHIKARI

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EDUCATION

College of Engineering Roorkee   **July 2021 − July 2025**
Bachelor of Technology in Computer Science and Engineering   *Roorkee,Uttarakhand*

COURSEWORK

- Data Structures & Algorithms
- Operating Systems
- Computer Networks
- Database Management Systems (DBMS)
- Object-Oriented Programming (OOP)
- Web Socket Programming

EXPERIENCE

SDE Intern   **October 2024**
Bluestock   *Remote*

- **Collaborated** with team members to design, develop, and test code for various software components, ensuring alignment with project specifications and timelines.
- **Engaged** in code reviews and pair programming sessions to improve code quality and gain insights into software development best practices.

PROJECTS

URL Trimmer | Java, Spring Boot, Thymeleaf   ⌂ **July 2024**

- **Created** a URL shortening application utilizing **Spring Boot** and **Thymeleaf** to provide custom short links and expiration dates, enhancing **data management** and user control.
- **Deployed** a robust **data validation** system to ensure the integrity of short URLs, reducing invalid redirects and improving the **end-user** experience.
- **Structured** and optimized the **database schema** for efficient **data retrieval**, showcasing proficiency in **SQL** and **Spring Data JPA**.

Doodle | Java, Spring Boot, React, Redux, TailwindCSS   ⌂ **June 2024**

- **Built** a real-time, multiplayer game where 2-8 users can connect over a network to draw and guess. One player acts as the artist, sketching a concept on a shared canvas, while others try to guess it.
- **Leveraged** WebSockets and STOMP for seamless, real-time communication between players.
- **Incorporated** a timer to create a sense of urgency and encourage quick thinking. Designed a point system to reward players for correct guesses and successful drawings, fostering healthy competition.

Multithreaded Server | Java   ⌂ **April 2024**

- **Engineered** a high-performance **TCP/HTTP server** using **Java** to improve **server response times** by 25%, enhancing **network communication** and **system performance**.
- **Demonstrated expertise** in how services handle **HTTP requests**, leveraging optimized multithreading, **thread pools**, and event loops to manage **real-time concurrent connections**, reducing latency and improving **resource utilization**.
- **Refined** server **architecture** for superior **capacity management** and **multi-user interface** performance, adhering to **code review practices** and ensuring **safe updates** to production systems.

Exam Scheduler | Spring Boot, React.js, PostgreSQL   ⌂ **April 2024**

- **Developed** an **exam scheduler** using **Spring Boot**, **React.js**, and **PostgreSQL** to manage exam information for 30,000+ students.
- **Built** a **RESTful API** for efficient backend management and packaged it using **Docker** for easy deployment.
- **Collaborated** in a multi-person project, enhancing teamwork and experience in **version control**.

TECHNICAL SKILLS

Languages: Java ,CSS, JavaScript, SQL (PostgreSQL), Python (Basic)

Developer Tools: VS Code, IntelliJ IDEA Ultimate, Postman, Docker,

Technologies/Frameworks: Linux, Git, GitHub, Spring Boot, Hibernate, ReactJS, Tailwind CSS, AWS

ACHIEVEMENTS

- Achieved a 3-star rating on LeetCode, demonstrating strong problem-solving and coding skills: **Profile**
- Consistently excelled in competitive coding challenges on GeeksforGeeks, ranking among the top 15 in institute: **Profile**
- Spearheaded participation in three prominent Open Source events, contributing to the development of 10+ projects,increased community engagement