Deeshank Batra

+91-9981210428 | batradeeshank18@gmail.com | LinkedIn | Leetcode | GitHub | Portfolio

EDUCATION

Institute of Engineering and Technology, Indore, India   2021 - 2025
Bachelor of Engineering in Electronics & Telecommunication Engineering   GPA: 7.71/10.0
Coursework: OOP, Data Structures & Algorithms, DBMS, OS

EXPERIENCE

Raja Ramanna Centre for Advanced Technology (DAE) - Software Trainee
Attendance Tracking System   February 2025 - June 2025
Tech Stack: MongoDB, React.js, Node.js, Express.js

- Built an attendance dashboard that **automates** financial year **PRIS** report generation for **1500+ employees**.
- Optimized MongoDB aggregation pipeline to efficiently process **3.2M+** records spanning **10** years of data.
- Reduced data retrieval **latency** from **8s to 1.5s** on **large-scale** datasets via optimized queries and indexing.

Medical Bill Reimbursement System
Tech Stack: Java, JSP, PostgreSQL, OracleSQL, MongoDB

- Built a modular microservice to **automate** the yearly claims workflow and **integrate** approved reimbursements into the **payroll** system, reducing manual processing for **up to 2,000** claims annually.
- Optimized average query response time by **4s (6s to 2s)** via indexing and query optimization in PostgreSQL.
- Digitized the claim submission process with a JSP-based UI, reducing **manual effort** by **40%** and accelerating approval by minimizing form handling for doctors, employees, and admin staff.

PROJECTS

ClumsyScores : Beat the Bots   Link To Github
Tech Stack: Springboot, Redis, Docker, PostgreSQL, Kafka

- Built **scalable** REST APIs to match resumes with job roles, boosting **ATS** score and shortlisting chances by **40%**.
- Reduced API latency from **1.5s to 200ms** using Redis caching.
- Designed high-level architecture, database schema, and containerized the microservice using Docker .

ClumsyInterviews: Fail Here. Not There.   Live Project
Tech Stack: Next.js, MySQL, Clerk

- Built a mock interview simulator with **real-time feedback** on communication and technical knowledge.
- Provided personalized real-time performance analysis, improving interview skills for **50+ students**.

LexiRead: Intelligent Legal PDF Reader   Live Project
Tech Stack: Next.js, Google Firebase, Vercel Blob, Pinecone, LangChain

- Developed a chatbot-based PDF reader that simplifies legal docs using real-time contextual QA.
- Reduced **query response time** by **2-3 seconds** for **30-page PDFs**.

TECHNICAL SKILLS

Programming Languages: Java, C++, SQL, JavaScript
Frontend: React.js, Next.js, HTML/CSS, JSP
Backend: Springboot, Node.js, Express.js
Databases: MongoDB, MySQL, PostgreSQL
DevOps & Tools : Git, Docker, AWS(EC2 | Lightsail), Postman, IntelliJ ,VS Code
CS Fundamentals: Data Structures & Algorithms, OOP, DBMS, Operating Systems, System Design

ACHIEVEMENTS & HIGHLIGHTS

- Consistently ranked in the **top 1–2%** in **Infosys Konnect technical quizzes**, outperforming a **MERN training batch of 100+ peers** during ongoing training (June 2025 – Present).
- Solved **500+ DSA problems** across platforms with a **1600+** rating on **leetcode**.
- Achieved **Master** badge on **CodeStudio** with a peak rating of **2965** (top **3%**).
- Led a 5-member team to qualify for Smart India **Hackathon** among **100+ college teams** with the project ClumsyReader.
- Led the organization of **E-Summit** and **Innovision** as Overall Coordinator, E-Cell, managing **20+** on-ground volunteers, handling stage production, and driving **300K+** social media reach.