

# Prakhar Jain

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## Education

Indian Institute of Technology (BHU) Varanasi  
Bachelor of Technology (B.Tech)

GPA: 8.38/10  
2020 - 2024

## Work Experience

### WiseTech Global | Software Engineer

July 2024 – Present

- Developed features on a global customs platform using a **TDD approach**, participating in **code reviews** while writing scalable unit and integration tests that improved reliability and reduced form rejection rate by **4%**.
- Implemented in **Java** to auto-populate unit prices in invoices from product master data with currency conversion, caching and country specific rules, cutting entry errors by **15%** and improving pricing accuracy.
- Designed a customs framework that suggests valid quantity units for goods from shipment codes by generating entities and **reference database** schema from regulatory XML, cutting manual updates **from 16 to 2 hours**.
- Expanded an import-only system to handle exports for French customs, improving system coverage by **20%**.
- Worked across three distributed teams, mastering **diverse code-bases** and patterns across time zones. Earned positive feedback in six reviews praising communication, alignment and rapid execution.

**Tech Stack:** Java, Springboot, JavaScript, TypeScript, JUnit, React.js, Angular, C#, .NET, NUnit, MySQL, Microservices architecture, SQL Server, CI/CD Tools, TDD, Relational Database, Git, Copilot

### Newzera | Software Engineer Intern

May 2023 - July 2023

- Designed and successfully implemented a news recommendation system using Python and Node.js microservices for Newzera app users, improving user experience across multiple pages and increasing engagement by **30%**.
- Developed a **user profile system** to store preferences and interactions, with a script to create, update profiles.
- Integrated video clustering via **Elasticsearch vector database** to reduce duplication by **50%**, optimize content.

**Tech Stack:** Node.js, React.js, Express.js, AWS EC2, Python, SQL, Docker, Elasticsearch, Git

## Projects

### Hostel mess portal

March 2022

- Worked in a group of 3 and developed backend of a student-facing hostel mess portal with user features.
- Users can register, change mess, check menu, give feedback/complaints and check remaining fee balance.
- Applied Google Authentication and managed MongoDB user database for secure, streamlined access.

### Spell Checker

August 2023

- Developed an advanced spell checker that uses the trie to efficiently validate and suggest correct spellings.
- Enforced JavaScript algorithms with optimized handling to boost spell-check performance and experience.

## Skills

**Languages, Technologies:** Java, Springboot, J2EE, JUnit, JavaScript, TypeScript, REST API, C#, .NET, Python, Angular, NUnit, SQL Server, MySQL, Node.js, React.js, Elasticsearch, Copilot, CI/CD Tools, OAuth, Docker, Kafka.  
**Fundamentals:** Data Structures, Algorithms, System Design, Object-Oriented Programming (OOP), Competitive Programming, Test Driven Development (TDD), SOLID principles, Agile Development Methodologies.

## Achievements, Position of responsibilities

- Secured **All India Rank of 2473** in JEE Advanced 2020.
- **Codeforces Expert** ([kingbass](#)) and secured **global rankings 533, 649, 667** in various rounds. Solved **1000+ problems** across coding platforms like LeetCode, GeeksforGeeks and Codeforces.
- Core member of the tech team for Prastuti'23, the annual tech fest of the Electrical Department. Built the official website driving 1k+ registrations, increasing participation 150% and securing 15 sponsors.