

Dinesh Kushwaha

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Summary

Software Engineer skilled in **Java**, **C++**, **Spring Boot**, **RESTful APIs**, **Microservices**, and **MySQL** with expertise in **backend development**, **database design**, and cloud fundamentals (AWS). Completed an **internship** at **ADP** as an **SDE Intern**, developing scalable **microservices** and optimizing **CRUD** operations. Strong in **Data Structures & Algorithms (DSA)**, **OOPs**, and **Web Development**.

Skills

Languages: Java, C++, SQL, JavaScript

Backend Development: Spring Boot, REST APIs (GET, POST, PUT, DELETE), Microservices, Hibernate

Frontend Development: HTML, CSS, JavaScript, Bootstrap

Databases: SQL, MySQL, Database Schema Design, CRUD Operations, Query Optimization

Tools & Platforms: Git, GitHub, IntelliJ, VS Code, Postman, Maven, AWS (Basics)

familiar: Software Development Life Cycle Concepts, CI/CD pipeline.

Experience

SDE Intern

Jul 2025 – Sep 2025

ADP-Pune

Tech Stack: Java, Spring Boot, MySQL, REST APIs, Microservices, Postman

- Developed and deployed **Spring Boot RESTful APIs** to replace legacy JSP modules, reducing latency by **~25%**.
- Designed and optimized **MySQL** relational database schema, implementing **CRUD** operation for metadata records.
- Migrated **monolithic** service into **microservices** architecture, improving **scalability** and maintainability by **~40%**.
- Wrote JUnit & Mockito test cases, achieving 90%+ code coverage across modules.
- Utilized **Git** for version control, **Postman** for API testing, and Maven for build automation.

Projects

Personalized Virtual Assistant (G-Star) | Python, Speech Recognition, Web Automation

Jan 2024 – Mar 2024

- Designed and developed a **Python-based virtual assistant** using **Speech Recognition** and **Text-to-Speech (TTS)**, enabling natural voice-based interaction with **~90%** command accuracy.
- Automated **web search**, website navigation, and **YouTube video playback**, reducing manual effort by **~50%**.
- Implemented custom commands for entertainment (jokes, media playback) to enhance user engagement.

SmartConfig (Internship project) | Java, Spring Boot, MySQL, REST APIs, Microservices

Sep 2024 – Nov 2024

- Developed SmartConfig, a chatbot tool that navigates complex client settings, implemented new **REST APIs** as Java Backend Developer.
- Converted code into production-ready **microservices** and deployed successfully, improving system **scalability** by **~40%**.
- Designed relational schema and implemented **CRUD** operations for 500+ metadata records with 90%+ unit test coverage using JUnit & Mockito.

Rasoi Online Food Website | HTML, CSS, JavaScript

Apr 2024 – Jun 2024

- Developed a **responsive** online food ordering platform with modules for Home, About, Menu, Gallery, Order, and Blog, improving **accessibility** across devices.
- Implemented **modular** and **reusable** code with clear separation of HTML, CSS, and JavaScript, increasing maintainability and reducing debugging time by **~30%**.
- Enhanced UI/UX with CSS animations and smooth transitions, leading to improved customer retention.

Achievements

- **JEE Mains (2021):** Secured 90.02 percentile, ranked in top engineering aspirants nationwide.
- **LeetCode (2024):** Solved 500+ DSA problems with a 1500+ contest rating.
- **Competitive Programming:** Participated in 30+ LeetCode contests, improving problem-solving accuracy and speed.

Education

Bachelor of Technology (B.Tech) in Computer Science & Engineering

2021 – 2025

GL Bajaj Institute of Technology and Management, Greater Noida, India

CGPA: 8.0 / 10