

Muhammad Shaheer

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SUMMARY

Software Engineering undergraduate with growing expertise in Java, OOP, Data Structures, and databases. Built and deployed full-stack applications — including a cloud-connected Java desktop app and a live search engine on Render & Netlify. Completed 100+ LeetCode problems and continuously improving.

TECHNICAL SKILLS

Languages: Java, JavaScript

Databases: MySQL, Oracle, JDBC

Web & APIs: HTML, CSS, REST API

Tools: Git, GitHub, Docker

PROJECTS

Kaleido: Desktop Social Media Application

Sep 2025 – Dec 2025

- Developed 7 core modules (auth, feed, post creation, user search, notifications, community messaging, profile) on a 6-table Railway MySQL schema with full client-cloud architecture, tested by 5+ users.
- Integrated Cloudinary CDN for image uploads, transformations, and optimized media delivery across user posts and profiles.
- Engineered secure, cloud-hosted authentication system leveraging JWT validation; reduced user authentication latency by 20% and improved overall application security posture.
- Created user discovery and group messaging systems with JDBC-connected Railway MySQL for persistent cloud data storage.

Doodle: Mini Search Engine

Apr 2026 – May 2026

- Built and deployed a search engine across 2 platforms — Java HTTP backend on Render containerized with Docker, and static frontend on Netlify.
- Implemented an inverted index using HashMaps for O(1) keyword lookups, stopword filtering with HashSet, and frequency-based result ranking across full document content.
- Designed a REST-style API with Java HttpServer handling document ingestion and regex-based text tokenization, delivering full-content keyword search with ranked results in under 10ms.
- Supports real-time document indexing with in-memory persistence, live at doodle-find.netlify.app.

EDUCATION

BS Software Engineering, COMSATS University Islamabad

Sep 2024 – Present

4th Semester CGPA: 3.36 / 4.00

ACHIEVEMENTS & CERTIFICATIONS

Head of Singers — COMSATS Music Club

Lead a 7-member singing team, overseeing rehearsals, event coordination, and live performances.

SOFTEC 2026 — FAST-NUCES Lahore

Competed in web development at Pakistan's largest student tech event; visited industry stalls and workshops.

Nexora Programming Competition — COMSATS CSS Society

Competing in campus-level algorithmic programming contest against 2nd–4th year students.

50 Days LeetCode Badge

Maintained a 50-day consecutive daily problem-solving streak across data structures and algorithms.

Java (Basic) — HackerRank

Introduction to Databases — Meta

Git Fundamentals — Alison