

Khushi Gandhi

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SUMMARY

Software Engineer with 2+ years of experience in fintech developing scalable, high-performance systems using Java, Spring Boot, and SQL. Hands-on experience in CI/CD pipelines, automated deployments, and production support.

EDUCATION

University of Massachusetts, Amherst Massachusetts

Expected Graduation: May 2026

Masters of Science in Computer Science

CGPA: 4/4

- **Relevant Coursework:** Database Design, Machine Learning, Advanced Algorithms, Information Retrieval

Manipal Institute of Technology, Karnataka, India

June 2018 - June 2022

Bachelor of Technology in Information Technology

CGPA: 3.7/4.0

- **Relevant Coursework:** Data Structure and Algorithms, Object Oriented Programming, Software Engineering

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL, NoSQL, GraphQL

Frameworks & Tools: Spring Boot, React, Vue, OpenAI SDK, LangGraph, CI/CD Pipelines

Cloud & Systems: AWS, Systems Design, Microservices, Distributed Systems, Database Architecture

AI Technologies: LLM Integration, AI Agents, MCP Protocol, Prompt Engineering

EXPERIENCE

Software Developer Intern | Interactive Brokers - Connecticut, US

June 2025 – August 2025

- Rebuilt CRM front-end navigation by designing a global breadcrumb system, removing **400+** lines of legacy code and making the application easier to maintain.
- Built components for dashboard, enabling users to customize their workspace and view real-time data from Oracle database.
- Enhanced application responsiveness by resolving **7** user-reported issues using Vue and JavaScript.

Software Developer | Deutsche Bank - Pune, India

July 2022 – August 2024

- Collaborated with cross-functional teams of 50+ members in an agile environment to deliver scalable fintech applications for onboarding of banking clients and raising alerts to detect anomalies in transaction workflows.
- Improved data job uptime by **30%** by engineering a fallback mechanism in Spark workflows for third-party service disruptions.
- Reduced manual efforts by **40%** by automating report generation with a cron job to fetch data for new regional clients.
- Implemented **12+** end-to-end GraphQL and REST API queries to streamline UI-backend interactions across **5 microservices**, along with writing multiple SQL queries in JDBC for efficient data retrieval.
- Identified and resolved **15+** critical issues through testing, debugging, and code reviews, while also ensuring successful deployments by validating Jenkins **CI/CD** pipeline runs.

PROJECTS

PersonaGPT : AI Powered Resume | Python, OpenAI Library [↗](#)

July 2025 - August 2025

- Developed an AI-powered resume that answers any technical and behavioral questions based on candidate profile data.
- Integrated **OpenAI** library with Gemini 2.0 Flash, for real-time responses along with implementing rate-limiting safeguards.
- Automated follow-up by triggering Supabase edge functions via webhooks to send personalized emails upon interest detection.

IMDB Query Engine | Java, SpringBoot, Maven [↗](#)

January 2025 - April 2025

- Reduced disk I/O in a relational query engine for **70M+** records by developing a custom LRU-based buffer manager.
- Achieved **100x** query speedup by implementing a B+ Tree index to improve clustered and unclustered searches.
- Built a query executor for 3 relational tables by designing selection, projection, materialization, and **BNL** joins operators.

SilentSpeak : Muted Speech Detection Using Jaw Motion | C, Python [↗](#)

October 2024 - December 2024

- Developed a phone control system to improve accessibility for users in noisy settings or with speech impairments.
- Applied Random Forest ML classifiers to infer commands, achieving **88%** accuracy during a live demonstration.
- Awarded **Best Project** in the course that offers an inclusive solution where audio-based systems are impractical.

CERTIFICATIONS

AWS Certified Cloud Practitioner

July 2025

Codepath Intermediate Technical Interview Prep

January 2025 - May 2025

Codepath React Web Development Course

January 2025 - May 2025