

Ashutosh Gadhave

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SUMMARY

Passionate Software Engineer skilled in Java, C++, Spring Boot, REST APIs, and Multithreading. Experienced in backend and full-stack development, UI design with Swing/JavaFX, and scalable application development. Strong in Data Structures, System Design basics, and problem-solving. Looking to contribute to high-performance backend systems.

EDUCATION

Prestige Institute of Engineering, Management and Research
Bachelor of Engineering in Computer Science Engineering

Indore, India
2019 – 2023

- Among the top 5% of the batch
- Relevant coursework: Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks, OOPS (Java/C++)

SKILLS

Technical: Java (Core & Advanced), C++, SQL, JavaScript, Spring Boot, REST APIs, Swing, JavaFX, Hibernate.

Tools: Git, GitHub, Maven, MySQL, Linux/Unix.

EXPERIENCE

Java Developer Intern - [Equipment Planet]

April 2025 to October 2025

- Worked on core Java development including OOP, Collections, File I/O, and Exception Handling for internal desktop tools.
- Collaborated with a team of 4 developers to build 3 major Java Swing UI modules, improving user workflow efficiency.
- Assisted in building multi-threaded modules for background tasks like data fetching, logging, and caching.
- Resolved 15+ critical bugs and optimized code performance, resulting in a 20% reduction in application load time.
- Gained hands-on experience with Git, Linux basics, debugging tools, and clean code practices.

PROJECTS

Java Desktop Chat Application - Java Swing + TCP Sockets

- Developed a desktop-based Client-Server Chat Application using TCP sockets, multithreading, and Swing GUI.
- Implemented concurrent reader/writer threads, EDT-safe UI updates, and a clean shutdown strategy for reliable messaging.
- Designed modular architecture enabling future support for multi-client server, authentication, and encryption.

Tech: Java, Swing, Socket/ServerSocket, PrintWriter, BufferedReader, Threads

Internet Download Manager - Java Swing

- Built a desktop Internet Download Manager supporting multi-thread segmented downloads, pause/resume, cancel, and retry handling.
- Implemented persistent .meta files so downloads survive restarts used `RandomAccessFile` for segmented writes.
- Added clipboard URL detection and a clean Swing GUI with J Table for progress, speed, and status visualization.

Tech: Java 11+, Swing, `URLConnection`, `ExecutorService`, `RandomAccessFile`

Text Summarization & Topic Clustering - Java, Spring Boot, NLP

- Developed a Java-based Text Summarization tool that processes large text files, extracts keywords, and generates concise summaries using TF-IDF scoring.
- Implemented topic clustering using Java-based ML algorithms (K-Means / LDA) to group documents based on semantic similarity.
- Designed a clean desktop GUI in JavaFX/Swing for uploading text files, viewing summaries, and visualizing clustered topics.
- Used Java I/O for efficient file processing and `OpenNLP/CoreNLP` for NLP operations like tokenization & sentence segmentation.

Tech: Java, JavaFX/Swing, `Apache OpenNLP` / `Stanford CoreNLP`, TF-IDF, K-Means / LDA (Java implementation), File I/O

Real-Time Weather Monitoring System - Java, Spring Boot, REST API

- Built a Java-based Real-Time Weather Monitoring Application that fetches live weather data using REST APIs (OpenWeatherMap API).
- Implemented background threads to call API periodically and update UI without blocking the main thread.
- Displayed real-time temperature, humidity, wind speed, and weather conditions in a modern JavaFX/Swing dashboard.
- Parsed JSON responses using `Gson/Jackson` and integrated real-time charts for better visualization.

Tech: Java, Swing/JavaFX, `URLConnection`, JSON (`Gson/Jackson`), REST APIs, Threads