

Aishwarya Kawade

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| Pune, India

PROFESSIONAL SUMMARY

Java Backend Engineer with hands-on experience building production-grade **Spring Boot** microservices, **REST APIs**, and **distributed systems** for financial and automation domains. Proficient in **Core Java**, **J2EE**, **object-oriented programming**, **SOLID principles**, and **design patterns**. Experienced with **PostgreSQL**, **SQL optimization**, **CI/CD** pipelines, **Docker**, and **GitHub Actions**. Committed to **secure coding**, **unit testing**, **code reviews**, and delivering **scalable, high availability** backend systems in **Agile** environments.

EXPERIENCE

Software Automation Engineer

Jan 2026 – Present

Zetheta Algorithms Pvt. Ltd.

Pune, India

- Engineered **Java**-based backend workflow services for banking and financial transaction processing, applying **object-oriented design**, **SOLID principles**, and **design patterns** (Factory, Strategy) to build modular, maintainable systems.
- Designed **REST API** integrations connecting automation pipelines with **PostgreSQL** and **MySQL**; optimized **SQL** queries and indexing strategies, **reducing query latency by 30%**.
- Implemented **secure coding** practices and structured exception handling across **financial technology** workflows, improving **production** reliability and audit compliance.
- Established **CI/CD** pipelines via **GitHub Actions**; enforced **code review** standards and **unit test** coverage, **reducing regression defects by 25%**.
- Collaborated with cross-functional stakeholders in **Agile** sprints to deliver backend features for compliance and **banking application** reporting workflows.

Open Source Backend Contributor — GSSoC 2026

May 2026 – Present

GirlScript Summer of Code

Remote

- Delivered **Java** and **Python** backend features across production open-source repos; upheld **software engineering** quality via structured **code reviews**, **debugging**, and **Git/GitHub** PR workflows.

PROJECTS

EarthAI Analytics Platform — Java, Spring Framework, PostgreSQL, REST APIs

[GitHub](#)

- Built a **Java Spring** analytics backend with normalized **PostgreSQL** data models and **REST API** endpoints; applied **OOP** and **SOLID principles** across the service and repository layers.
- Implemented **observability** hooks and structured logging for **monitoring** and **production support** readiness.

SafeSakhiAI — Autonomous Women's Safety Intelligence Platform — Python, AI, Multi-Agent Systems,

[GitHub](#)

- Developed an AI-powered women's safety platform featuring **emergency assistance**, intelligent support workflows, and real-time safety recommendations using **Generative AI** and **multi-agent architectures**.
- Built scalable **FastAPI** backend services and integrated cloud-based AI capabilities for automated incident response, safety guidance, and location-aware assistance.

TECHNICAL SKILLS

Primary: Java (Core Java, J2EE, OOP, Design Patterns, SOLID Principles) **Secondary:** Python, SQL, JavaScript

Frameworks & Backend: Spring Boot, Spring Framework, REST APIs, SOAP (concepts), Microservices, FastAPI

Databases: PostgreSQL, MySQL, Redis — SQL optimization, schema design, indexing, database performance tuning

DevOps & CI/CD: Docker, Kubernetes (basics), GitHub Actions, Jenkins (concepts), GitLab CI, CI/CD pipelines

Cloud: AWS (basics), Google Cloud Platform, Azure Fundamentals

Engineering: Distributed Systems, System Design, Scalability, High Availability, Performance Optimization, Secure Coding, Unit Testing, Observability, Monitoring, Agile Development

EDUCATION & ACHIEVEMENTS

Bachelor of Science in Computer Science

2023 – 2026

Savitribai Phule Pune University

Pune, India

- Google Cloud Gen AI Academy** — Deployed production backend services on GCP; applied **cloud computing** and **microservices** architecture in real-world applications.
- IIT Madras Road Safety Hackathon 2026** — Designed real-time **distributed** data pipeline; recognized for **system design** and **scalability** approach.
- Google Cloud Rapid Agent Hackathon** — Built event-driven backend integrating **REST APIs** and cloud-native services under production constraints.
- Gemini Student Ambassador 2026** (Shortlisted) — Ranked top 5% of nationwide applicants; advanced to final evaluation round.