

KRISHNA LAGAD

Software Engineer

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EXPERIENCE

KPIT Technologies

Software Engineer

Nov 2023 – Present Pune, India

Software Engineer

Jul 2025 – Present

- Integrated AI capabilities using **Spring AI** into KPITs Portal, enabling intelligent search and contextual assistance features for internal users.
- Implemented **Retrieval-Augmented Generation (RAG)** solutions using **Java 21**, **Springboot** with LLMs including **Ollama's Llama 3.2**, **TinyLlama**, and **OpenAI GPT** models.
- Enable accurate domain-specific chatbot responses using KPIT services data and internal knowledge sources.

Associate Software Engineer

Jun 2024 – Jun 2025

- Maintained and refined scalable **Springboot Microservices** and **Java 8** applications focusing on performance optimization.
- Ensured high performance and robust security of the application by applying **Spring Security** best practices.
- Built **CI/CD** pipelines in **GitLab** to optimize build, test, and deployment workflows.
- Containerized services using **Docker** for consistent deployments.

Trainee Engineer

Nov 2023 – May 2024

- Underwent training on **Java Programming**, **Springboot** and **Professional Skills Development** for six weeks.
- Developed high performance **REST APIs** for data retrieval and diagnostic reporting, ensuring **100%** data accuracy.
- Assisted senior engineers in debugging and feature validation.

Java Trainee

LTIMindtree

Feb 2023 – May 2023 Pune, India

- Spent over 4 months developing **Java** applications using **Springboot** and **Hibernate**, focusing on scalable and efficient systems.
- Contributed to 2 industry projects, including web and database-driven applications.
- Used **Maven** and **Git** for dependency management and version control.

Java Developer Intern

Real IT Solutions

Oct 2021 – Dec 2021 Remote, India

- Developed full-stack web applications using **Springboot REST APIs**, **Hibernate** for database design, and **Angular with TypeScript** for dynamic UI across multiple internal projects.

PROJECTS

1. Brain Tumor Detection using Deep Transfer Learning

- Built a system to detect brain tumors in MRI-scanned brain images using **Deep Transfer Learning** algorithms.
- Technologies used: **Python**, **TensorFlow**, **Keras**, **Flask**

SKILLS

Skills: Java (8, 17, 21), OOP, SQL, Bash, LLM, RAG, Python, HTML/CSS/JavaScript

Frameworks: Springboot, Hibernate, Spring AI, Spring AOP, Spring Security, Spring Cloud, Microservices, JUnit, FastAPI

Databases: MySQL, MongoDB, AWS RDS

DevOps & Cloud: Linux, Docker, AWS IAM, AWS S3, EC2, GitLab

Tools: Postman, Git/GitHub, IntelliJ Idea, Claude/Ollama, Redis

EDUCATION

B.E. in Computer Engineering

Pune University

CGPA: 9.1

Jan 2021 – June 2023

Diploma in Computer Engineering

Gov. Polytechnic Pune

Percent: 91.26%

Aug 2017 – May 2020

SSC

State Board, Maharashtra Percent: 91.60%

Jun 2016 – Apr 2017

ACHIEVEMENTS

- Completed **Oracle Certified Generative AI Professional** in October 2025.
- Completed **Java programming certification by Oracle** in March 2023.
- Received the '**Manager Discretion-High Flyer Award**' twice & '**Team Award**' twice for exceptional contribution while working in KPIT.

LANGUAGES

English (Proficient) ● ● ● ● ●

Hindi (Proficient) ● ● ● ● ●

Marathi (Native) ● ● ● ● ●

PUBLICATIONS

International Conference on, Cognitive Computing and Engineering Education (ICCCCEE)
<https://ieeexplore.ieee.org/document/10424539>