

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.
- Enabled 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

LТИMindtree

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 (ICCCEE)
<https://ieeexplore.ieee.org/document/10424539>