

Ketan Pashte

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• GitHub: github.com/ketanpashte • Portfolio: <https://ketan-pashte-portfolio.netlify.app>

PROFESSIONAL SUMMARY

Fullstack and Generative AI Developer with 1.9+ years of experience building scalable microservices using Spring Boot and integrating AI – driven solutions (LLMs, RAG, AI agents). Delivered 5+ production systems improving efficiency by up to 40%. Skills in AWS, Docker, and modern backend architecture. Knowledge of Basic CI/CD pipeline.

WORK AND EXPERIENCE

- Software Developer – MITS Global Consultancy | Tyger Capital (formerly Adani Capital)****Oct 2024 – Present**
- Developed 20+ REST APIs for Loan Origination System handling 10K+ transactions, improving processing efficiency by 35%.
 - Implemented JWT-based authentication and role-based access control (RBAC) using Spring Security, improving application security.
 - Optimized backend performance and validation mechanisms, reducing API response time by 30%.
- Freelance Software Developer - Worked with companies like TT Infotech and Akrix****Jan 2023 – Oct 2024**
- Delivered 5+ full-stack web and mobile applications with AI integration, including intelligent automation, chatbots, and AI agents for real-world business use cases.
 - Designed and deployed scalable systems with AI-driven analytics, improving operational efficiency by 40%.
 - Collaborated with multiple clients to build production-grade solutions, integrating APIs and AI-based decision-making.

PROJECTS

- Loan Application System | Tyger Capital | Nov 2024 – Present**
- Tech Stack:** Java, Spring Boot, MySQL, JWT, Spring Security
 - Developed a scalable Loan Origination System handling customer data, loan applications, and approval workflows.
 - Built secure APIs with JWT authentication and role-based authorization.
 - Implemented DTO-based architecture and validation to ensure clean data flow.
- AI Email Assistant (GenAI Project) – Personal Project | January 2026**
- Tech Stack:** Python, LangChain, LLMs, RAG.
 - Built an AI-powered Email Assistant to generate, send, and summarize emails using prompt-based inputs.
 - Integrated LLMs to create context-aware email drafts based on user prompts and intent.
 - Implemented RAG (Retrieval-Augmented Generation) to fetch relevant past email/context data for better response accuracy.
- Vighnaharta Online Service – (<https://vighnahartaonlineservice.in>)**
- Developed a digital service platform integrating 50+ government and financial services.
 - Implemented AI-based document verification and automation reduces manual efforts significantly.
 - Enabled real-time tracking and workflow automation for better user experience.
- Patient Management System – (<https://hariomclinic.netlify.app/>)**
- Built a full-stack Patient Management application for managing patient records and doctor workflows.
 - Implemented secure logins, patient history tracking, and editable records.
 - Integrated WhatsApp communication and doctor advertisement features.

KEY SKILLS

Backend: Java, Spring Boot, Microservices, REST APIs.
AI/ML Skills: LLMs, RAG, Hugging Face, LangChain.
Frontend: React.js, HTML, CSS, JavaScript
Cloud & DevOps: AWS, Docker, Kubernetes
Tools: Git, GitHub, Postman, Swagger, Maven

CERTIFICATIONS

- Java Certification
- Python Certification
- Generative AI Certification

EDUCATION

Bachelor of Information Technology — A C Patil College of Engineering, Kharghar, Navi Mumbai – 2024**CGPA – 8.25**
KEY ACHIEVEMENTS: Built and deployed multiple AI-powered applications for real-world use cases. Delivered scalable systems with improved efficiency up to 40%. Hands-on experience with AI + Backend architecture integration.