

OM PATIL (He/Him)

Software Developer

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PROFESSIONAL SUMMARY

Software Developer specializing in building scalable backend architectures and delivering robust, full-stack applications. Primary expertise: **Java** and **Spring Boot**, complemented by Python, Node.js, and Express.js. Driven by a disciplined approach (**OOD**, **Agile**) to transform complex engineering challenges into production-ready solutions.

EDUCATION

BRACT's Vishwakarma Institute of Information Technology

Bachelor of Technology (B. Tech) in Information Technology | GPA: 8.19 | Expected June 2026

Pune, India

Aug 23 – Present

DBATU's Institute of Petrochemical Engineering

Diploma in Information Technology | GPA: 9.13

Lonere, Raigad

Jul 20 – Jun 23

SKILLS SUMMARY

Languages: Java, SQL, Python, JavaScript, C, C++, HTML5, CSS3

Frameworks & Libraries: Spring, Spring Boot, Spring MVC, Hibernate, JPA, Kafka, Redux, AJAX, Node.js, React.js

Databases: PostgreSQL, MongoDB, MySQL, SQLite, H2

Developer Tools & Platforms: Git, Postman, Docker, Amazon Web Services (AWS), JIRA, IntelliJ IDEA, VS Code

Core Concepts: DSA, Object-Oriented Design (OOD), Microservices, API Design, System Design, Agile/Scrum

AI Tools & Workflows: Prompt Engineering, GitHub Copilot, Cursor AI, AI-Assisted Development, ChatGPT, Claude, Gemini, Workflow Automation, LLM-Based Debugging, Rapid Prototyping

WORK EXPERIENCE

Full stack Web Development Intern | Unified Mentor Pvt. Ltd.

Aug 25 – Nov 25

- Collaborated with cross-functional teams using Git/GitHub for version control, code reviews, and deployments.
- Developed responsive React.js UI components using Hooks for scalable frontend state and lifecycle management.
- Implemented Redux for centralized state management and predictable application data flow across modules.
- Built RESTful APIs using Node.js and Express.js for seamless frontend, backend, and MongoDB integration.

PROJECTS

ForenSight: Digital Evidence Intelligence Platform | Java, Spring Boot, Spring AI, React.js, SHA-256 May 2026

- Built a case-based digital evidence platform for secure forensic investigation and traceable evidence management.
- Implemented parser-based normalization, SHA-256 integrity verification, chain-of-custody tracking, and AI-assisted reporting for reliable evidence analysis.

JPMorgan Chase & Co. SWE Job Simulation | Java, Spring Boot, Kafka

Sept 2025

- Completed a backend-focused simulation involving transaction processing, API integration, and data persistence.
- Implemented Kafka-based message handling, Spring Boot REST APIs, and H2 database integration for reliable workflow execution.

Vitamin Deficiency Detection System | Python, Flask, Scikit-Learn, React.js

Jan 2025

- Developed a machine learning web app to predict possible vitamin deficiencies from symptom-based input data.
- Built a responsive React.js interface and improved frontend loading performance for a smoother user experience.

Sales Person Territory Planner | Java, Spring Boot, ReactJS, SQL

Jan 2023

- Designed a scalable Spring Boot backend with RESTful APIs for territory planning and data management.
- Optimized SQL queries and reduced critical query time for faster application response.

AWARDS & CONFERENCE PRESENTATIONS

International Conference Presentation: Presented "Vitamin Deficiency Detection using Machine Learning" at the World Conference on Science Engineering and Technology (WCSET), Pune (May 2025).

CERTIFICATIONS & KEY COURSEWORK

Certifications: Data Structures and Algorithms (Java) | Computational Theory | Enhancing UX with HCI

Relevant Coursework: OOP | Database Management Systems | Operating Systems | Computer Networks