

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

Pune, India

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

Aug 23 – Present

DBATU's Institute of Petrochemical Engineering

Lonere, Raigad

Diploma in Information Technology | GPA: 9.13

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, RESTful APIs, System Design, Agile/Scrum

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, ensuring code integrity and streamlined deployment.
- Engineered responsive UI components with React.js and Hooks for state and lifecycle management.
- Implemented Redux for centralized state management and predictable data flow.
- Architected the back-end by designing and implementing RESTful APIs with Node.js and Express.js, enabling seamless data communication between the front-end and the MongoDB database.

PROJECTS

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

Sept 25

- Completed a practical simulation mirroring real-world backend architecture tasks for a financial system.
- Implemented **Kafka** for message processing and integrated an **H2 Database** for data persistence.
- Developed **REST API** endpoints using Spring Boot and implemented integration with external web services.

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

Jan 25

- Engineered a machine learning model achieving **85% accuracy** in identifying vitamin deficiencies from symptomatic data.
- Enhanced user engagement by developing a highly responsive React.js interface, which improved frontend loading times by 40%.

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

Jan 23

- Architected a scalable backend using **Java & Spring Boot** to deliver RESTful APIs for data-driven planning.
- Resolved data bottlenecks by optimizing the SQL database, cutting critical query times by **50%**.

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