

Prathamesh Pawar

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Summary

MCA student with strong foundations in Data Structures, OOP, and **Java backend** development. Built scalable Java applications using Spring Boot, REST APIs, and MySQL. Developing skills in **Agentic AI** using **LangChain4j** for autonomous tasks, tool calling, and reasoning. Seeking Software Engineering Intern roles at Tier-1 product companies.

Education

Master of Computer Applications (MCA) <i>D Y Patil Institute of MCA and Management, Akurdi</i>	2024 – 2026 <i>CGPA: 7.63</i>
Bachelor of Computer Applications (BCA) <i>Degree College Of Physical Education, HVPM Amravati</i>	2021 – 2024 <i>CGPA: 6.99</i>
HSC <i>Vidya Bharti Junior College, Karanja (Lad)</i>	2021 <i>81.50%</i>
SSC <i>J.D. Chaware VidyaMandir, Karanja (Lad)</i>	2019 <i>78.20%</i>

Technical Skills

- **Languages:** Java, Python
- **Core CS:** Data Structures, Algorithms, OOP, DBMS, Software Engineering
- **Backend:** Spring Boot, Hibernate (JPA), JDBC, Servlets, JSP, REST APIs
- **Databases:** MySQL
- **Agentic AI:** LangChain4j, Prompt Engineering, Tool Calling, Multi-Step Reasoning
- **AI Integrations:** OpenAI API, REST-based LLM Services
- **Testing:** Manual Testing, Functional Testing, Backend Validation
- **Tools:** Git, GitHub, Postman, Power BI

Internship Experience

Makryto Innovation Pvt. Ltd. <i>Python & Power BI Intern</i>	Feb 2022 – Apr 2022
<ul style="list-style-type: none">• Developed Python backend logic and validated data using MySQL queries to support application workflows.• Built Power BI dashboards and executed manual testing to improve reporting accuracy and functional reliability.	

Projects

FoodPort — Online Parcel Ordering System <i>Java, Spring Boot, Hibernate, REST APIs, MySQL</i>
<ul style="list-style-type: none">• Developed REST APIs for authentication, menu management, and order processing.• Implemented role-based access and designed normalized database schemas.
ProjexStore — Project Selling Platform <i>Java, Servlets, JDBC, JSP, MySQL</i>
<ul style="list-style-type: none">• Built a secure platform for uploading, purchasing, and downloading software projects.• Implemented role-based access and backend workflows for approvals and purchases.
E-Commerce Web Application <i>MySQL, SQL Queries, Joins, Subqueries, Indexing</i>
<ul style="list-style-type: none">• Implemented backend logic for product catalog, cart operations, and order processing.• Designed schemas and validated database transactions for data integrity.

Publications

The Impact of Online Learning on Student Engagement in Higher Education — IJSCI (Sept 2025)
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Certifications

- Programming in Java — NPTEL, IIT Kharagpur
- Full Stack Java Developer — QSpiders
- Manual Testing — QSpiders
- Git & GitHub — Coursera
- Python — Great Learning