

# Avantar Nikhare

Fresher Software Engineer | Java & Backend Developer

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## Summary

Fresher Software Engineer skilled in **Java, Python, PHP, HTML, CSS, and SQL** with a strong foundation in **Backend Development**. Hands-on experience gained through internships in software development, data analytics, and AI modules. Seeking entry-level **Software Engineer** or **Backend Developer** roles to contribute to building scalable applications.

## Education

B.Tech in CSE	Guru Nanak Institute of Technology, Nagpur	2023 - Present
Diploma in Comp. Tech.	Government Polytechnic, Sakoli	2020 - 2023
Class X (SSC)	Lal Bahadur Vidyalaya, Gondumri	2019 - 2020

## Skills

Languages:	Java (Core/Adv), Python, SQL, C, PHP, JavaScript, HTML, CSS
Backend & DB:	<b>Spring Boot</b> , REST API, MySQL, Oracle, JDBC, Hibernate
Tools & IoT:	Git, GitHub, Postman, <b>Raspberry Pi 4</b> , VS Code, Power BI
Soft Skills:	Problem Solving, Team Collaboration.

## Experience

Software Development Intern (IoT & Full Stack)	Nov 2025 - Present
VCF Cyber Solutions Pvt. Ltd.	Remote

Developing a secure access control system using **Raspberry Pi 4** and **ESP32 Sensors** for real-time monitoring.  
Building **RESTful Backend APIs** to fetch sensor data and displaying it on a responsive **Frontend Dashboard**.  
Integrated hardware-software communication protocols ensuring accurate data logging and device management.

Intern (Java & AI)	Feb 2025 - Jul 2025
Lotus Education	Nagpur

Implemented **Java-based AI modules** to automate student data processing and performance tracking.  
Optimized database queries (SQL) to handle large datasets, improving application response time by 20%.

Data Science Intern	Mar 2024 - Apr 2024
Jha Enterprise	Nagpur

Engineered data pipelines using **Python Pandas** for cleaning and visualizing complex business datasets.

PHP Intern	Jul 2022 - Aug 2022
VEEDEV Software Pvt. Ltd.	Tumsar, MH

Developed web tools using **PHP & MySQL**, focusing on CRUD operations and bug fixing.

## Projects

Digital Repository   HTML, CSS, JavaScript, Bootstrap, PHP, MySQL	Jul 2025 – Present
Developed a responsive web application using <b>HTML, CSS, JavaScript, and Bootstrap</b> with backend logic in <b>PHP</b> . Implemented full <b>CRUD operations</b> with <b>MySQL</b> and secured backend endpoints for data access.	

Criminify – FIR System   PHP, MySQL, Geo-Mapping	Aug 2024
Developed a digital FIR filing portal with <b>Role-Based Access Control</b> for police and public users. Implemented complex SQL queries to track financial trails and visualize crime hotspots on maps.	

Land Price Predictor   Python, Machine Learning	Jul 2024
Built a prediction engine using <b>Linear Regression</b> , optimized with MSE reduction techniques for high accuracy.	

## Certifications

- Oracle AI Vector Search CP (Oracle)
- GenAI Data Analytics Job Sim (Forage)
- Data Science with Python (Simplilearn)
- Google Analytics Certification (Google)
- OOPS in Java (Great Learning)
- Hackathon Project Completion (GNI)