Unmesh Kapure

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TECHNICAL SKILLS

Languages: Java, C, C++

Databases: MySQL (SQL, RDBMS, Schema Design)

Backend: Spring Boot, RESTful API Design, Microservices

Testing: Unit Testing

Frontend: HTML, CSS, JavaScript, Angular, TypeScript

Methodologies: Agile, Waterfall Model

Tools: VS Code, Eclipse IDE, Git, GitHub, Postman, Jupyter Notebook

EXPERIENCE

Software Developer Intern **March 2026 – Present**

Metamorphosys Technologies *Pune, India*

- Developing backend modules and RESTful APIs using Java and Spring Boot for enterprise InsurTech products, directly building full stack backend fundamentals relevant to production Java/Spring Boot systems.
- Gaining domain knowledge of insurance claim management workflows and enterprise InsurTech solutions, including insurance claim management systems.
- Collaborating with cross-functional teams to design and build scalable, maintainable application features end to end.
- Working across databases (SQL), debugging, testing, and deployment processes to improve application reliability and performance.

Project Intern **Sept 2025 – March 2026**

CopperCloud IoT Tech *Pune, India*

- Built a multisensor predictive maintenance system for Industry 4.0 machines, integrating vibration, temperature, power, and force sensor data streams.
- Developed real-time data workflows using MQTT and Node-RED for ingestion, processing, and feature extraction, strengthening backend and data-handling skills applicable to full stack development.
- Contributed to dashboards displaying machine health, prediction logs, and diagnostics, gaining exposure to full stack data visualization.

PROJECTS

SpendWise – A Gen Z Finance Web App | *Spring Boot, MySQL, Angular, Regression Models*

- Built a full stack personal finance platform with a Spring Boot + MySQL backend and an Angular front end, delivering budgeting insights and spending predictions.
- Developed secure, scalable REST APIs using Spring Boot for efficient data management across the application.
- Implemented regression-based machine learning models to analyze and forecast user spending behavior.

FinQuest – A Gamified Finance Learning Platform | *Spring Boot, MySQL, Angular*

- Built a full stack gamified finance learning platform with levels, streaks, and interactive modules to simplify core banking concepts.
- Developed scalable Spring Boot APIs powering quizzes, progress tracking, badges, XP rewards, and leaderboards with real-time analytics.
- Built an engaging Angular UI on a scalable architecture, covering both front end and back end of the stack.

Financial Fraud Detection Using Value-at-Risk and SMOTE | *Python, Machine Learning, SMOTE, VaR*

- Researched fraud detection in highly imbalanced financial datasets using SMOTE oversampling.
- Applied Value-at-Risk (VaR) methodology with Naive Bayes, KNN, and Logistic Regression to identify anomalies, with strong SQL-driven data analysis skills applicable to backend systems.

EDUCATION

Pune Vidyarthi Griha's College of Engineering and Technology (SPPU) **Pune, India**

B.E. in Information Technology; CGPA: 8.30 | 2022 – 2026

Kendriya Vidyalaya No.3, Vimannagar, Pune (CBSE) **Pune, India**

Class 12 (CBSE) – 87.20% | 2020 – 2022