

Vaishnavi Matsagar

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Professional Profile

Aspiring software engineer passionate about solving complex problems and building impactful solutions at scale. Eager to contribute to Engineering division by leveraging strong technical skills, a data-driven mindset, and a collaborative approach developed through hands-on internships and project work

Education

B.E. Computer Engineering	NDMVP's KBT College of Engineering, Nashik CGPA: 9.29/10.0	2023–2026
Diploma in IT	Government Polytechnic, Nashik Percentage: 87.88%	2020–2023

Technical Skills

Banking Technologies:	Secure Transactions, Fraud Detection, Financial Data Analysis
Programming:	Java, Python, SQL, JavaScript, C++
Frameworks:	Spring Boot, React.js, Node.js, Flask
Databases:	PostgreSQL, MongoDB, MySQL
Tools:	Docker, AWS, Power BI, Git
Certifications:	HackerRank Problem Solving, Infosys Agile Development

Professional Experience

Data Engineer Intern Bosch, Nashik	Dec 2024–Feb 2025 <i>(Security & Logistics Division)</i>
<ul style="list-style-type: none">Developed financial data dashboards with Power BI that improved monitoring efficiency by 30%Implemented automated reporting pipelines reducing manual processing time by 15 hours/weekConducted RCA for system incidents, improving operational reliability by 25%	
MERN Stack Developer Intern CodeVertex, Pune	Jul 2024–Sep 2024
<ul style="list-style-type: none">Built secure learning platform with role-based authentication (500+ active users)Optimized database queries improving system response time by 40%Implemented CI/CD pipeline reducing deployment time by 30%	

Banking-Relevant Projects

Digital Transaction Monitoring System



- Developed real-time fraud detection system with 92% accuracy using ML algorithms
- Implemented secure REST APIs with JWT authentication handling 500+ TPS
- Containerized services using Docker achieving 99.5% system availability

Financial Data Visualization Dashboard

- Created interactive visualizations for transaction pattern analysis
- Integrated with PostgreSQL backend processing 10,000+ records daily
- Implemented role-based access control for sensitive financial data

Achievements

- Finalist** - Magnify Case Competition (Financial Technology Track)
- 4th Runner-up** - Winjit Hackathon (Payment Solutions Category)
- Scholarship Recipient** - Youth Dream Foundation for Tech Innovation