

Shivam Motwani

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SUMMARY

Driven Computer Science and Engineering student at VIT Vellore with hands-on experience in Python, frontend development (React), and machine learning. Skilled in applying technology across ML, cybersecurity, and competitive programming. Eager to apply expertise in machine learning, cybersecurity, or full-stack development to create real-world impact

EDUCATION

2022 – 2026	Vellore Institute of Technology (VIT), Vellore	B.Tech in Computer Science and Engineering (CGPA: 8.9/10)
2022	CBSE Class 12 – DPS Durg, Durg	Percentage: 89.0%
2020	CBSE Class 10 – DPS Durg, Durg	Percentage: 92.0%

EXPERIENCE

Software Development Intern — Blue Banyan	May 2025 – July 2025
<ul style="list-style-type: none">– Redesigned key UI modules, delivering 20% higher user engagement and 15% better customer satisfaction.– Built responsive, WCAG-compliant UI components in React and CSS, enhancing cross-browser performance and accessibility for 1,000+ desktop users.– Delivered performance-focused UI improvements that increased website traffic and improved user retention rates.	

PROJECTS

Customer Churn Prediction ML Model (Python, Flask)

- Developed full-stack churn prediction system with **RandomForest Classifier**, achieving **88% accuracy** on high-risk customer identification.
- Built automated **data preprocessing pipeline** for 19+ features including encoding, missing value handling, normalization, and validation logic.
- Designed Flask-based **RESTful API backend** and Bootstrap 5 responsive frontend with real-time predictions (i2s).
- Implemented feature importance analysis, risk categorization (Low/Medium/High), and actionable retention recommendations.
- Delivered production-ready architecture with Git version control, test suites, requirements.txt, and modular design for scalability.

College Feedback Classifier (Python, GenAI)

Developed as part of IBM GenAI program. Classifies qualitative student feedback using NLP and ML techniques. Implemented TF-IDF vectorization and logistic regression for multi-class classification. Achieved 92% accuracy on labeled data.

SKILLS

Languages	Python, MySQL, JavaScript
Frameworks	React, Django
Tools	Git, Excel
Cybersecurity	Metasploit, Nmap, Tcpdump, Wireshark

CERTIFICATIONS

IBM Gen-AI (June 2025)

ACHIEVEMENTS

- Secured 3rd Place (Top 2%) in Reverse Coding Competition at VIT among 150 teams
- Codeforces Rating: 1408