

Vighnesh Arun Sadvilkar

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SUMMARY

MSc Adaptive Cybersecurity student at the University of Galway, graduating 2026, with a B.Eng. in Computer Engineering from the University of Mumbai. I build full projects end to end, from model training to full-stack apps with working APIs and databases, and like solving problems with clear, structured reasoning. Looking for graduate and entry-level roles across cybersecurity, software engineering, and data engineering in Ireland, where I can take real ownership while learning from experienced teams.

EDUCATION

University of Galway <i>MSc Computer Science - Adaptive Cybersecurity</i> - Modules: Network Security, Cryptography, Threat Analysis, and Secure Software Design - Applied coursework in data-driven systems, model evaluation, and secure application design	Galway, Ireland 2025 - 2026
University of Mumbai <i>B.Eng. Computer Engineering</i> - Coursework in software engineering, data structures, algorithms, and systems programming - Final-year project: a decentralised secure communication platform built on blockchain	Mumbai, India 2021 - 2025

TECHNICAL SKILLS

Programming: Python, Java, JavaScript, C, SQL
Data & ML: PyTorch, Scikit-learn, Pandas, NumPy, Tableau
Web & APIs: REST APIs, JSON, HTML, CSS
Databases: MySQL, PostgreSQL (basic)
Security & Networking: Wireshark, Suricata, Snort, TCP/IP fundamentals, Network Security, Cryptography, Threat Analysis
Tools: Git, VS Code, Linux, MySQL Workbench

EXPERIENCE

Cashier and Sales Representative <i>Family-owned Stationery Business</i> - Handled daily cash and inventory for a business turning over INR 60,000+ per day - Served 100 to 120 customers daily while coordinating supplier restocking and stock records	Mumbai, India 2017 - 2021
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KEY PROJECTS

LLM Prompt Injection Detection System <i>PyTorch, HuggingFace Transformers</i> - Built a proxy layer that classifies prompts before LLM ingestion; benchmarked three model families on 20,662 prompts, reaching F1 0.947 and ROC-AUC 0.985 at 20ms per query. - Found and fixed label noise in 62% of a public dataset's benign rows, and closed a generalisation gap to indirect injection attacks via fine-tuning.	2026
Transfer Learning-Based Intrusion Detection System <i>PyTorch, Python</i> - Trained a PyTorch model reaching 98%+ accuracy classifying attacks across two CIC-IDS datasets. - Built a cross-dataset evaluation pipeline to test how well results generalise across years.	2025
Secure Communication Platform <i>Blockchain, Smart Contracts</i> Built an end-to-end decentralised messaging system using cryptographic hashing for message integrity, with full-stack protocol design and a lightweight web interface.	2024
Notes and Password Manager <i>JavaScript, SQL, REST APIs</i> Built an encrypted, two-factor-auth app end to end using JavaScript, SQL, and REST APIs.	2023

CERTIFICATIONS

Google Cybersecurity Professional Certificate (Completed)
Google Data Analytics Professional Certificate (Completed)
Cisco Networking Academy: Introduction to Cybersecurity (Completed)
CompTIA Security+ (In Progress) | Cisco Networking Academy: Networking Basics (In Progress)

LEADERSHIP & ACHIEVEMENTS

Elected Student Representative for a school of over 1,000 students
Cadet Quarter Master Sergeant (2nd rank), National Cadet Corps
Regional prizes in elocution and essay-writing competitions