

# ADARSH PUTHANE

Software Engineer | Cybersecurity Engineer

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## SUMMARY

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Detail-oriented engineer with 1.5+ years of fintech risk operations experience, transitioning into software engineering and cybersecurity. Hands-on with Python, SQL, and security fundamentals including incident response, threat analysis, and vulnerability assessment. Proven ability to investigate complex issues, identify patterns, and collaborate across engineering and compliance teams. Seeking an entry-level role to build secure, scalable systems.

## TECHNICAL SKILLS

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- **Languages:** Python, SQL, JavaScript (basic), Bash
- **Cybersecurity:** Network Security, OWASP Top 10, Vulnerability Assessment, Incident Response, Threat Analysis, Log Analysis, SIEM concepts, Phishing Analysis
- **Security Tools:** Wireshark, Nmap, Burp Suite, Kali Linux, Metasploit (basic), VirusTotal
- **Software & Data:** Data Structures & Algorithms, OOP, REST APIs, Git/GitHub, Linux/Unix, MySQL, PostgreSQL, Pandas, Excel (Advanced)

## PROFESSIONAL EXPERIENCE

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**Risk Operations Specialist** — *Concentrix, Bengaluru*

2023 – Present

- Investigated 100+ user escalations monthly across risk and compliance channels; conducted root-cause analysis on suspicious account activity and fraud patterns.
- Wrote complex SQL queries (joins, CTEs, window functions) on large transactional datasets to surface anomalies and actionable insights for risk and product teams.
- Performed trend analysis and threat-pattern recognition on incidents; recommended mitigations that improved escalation resolution time.
- Collaborated with engineering, compliance, and treasury stakeholders to refine risk-related user journeys and influence product design decisions.
- Led operational audits and presented key risk indicators (KRIs) in monthly business reviews, driving data-backed improvements to internal SOPs.

## PROJECTS

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**Phishing URL Detector** — *Python, Scikit-learn, Flask*

- Built an ML classifier identifying phishing URLs via lexical and host-based features (~94% accuracy); deployed via Flask REST API with a web interface for real-time scanning.

**Network Port Scanner & Vulnerability Reporter** — *Python, Nmap, Sockets*

- Developed a multithreaded scanner that detects open ports and services, cross-references CVE data, and outputs structured reports with severity ratings to support incident response.

**Fraud Transaction Analysis** — *MySQL, Python, Pandas*

- Analyzed a public financial dataset using advanced SQL to detect velocity anomalies and unusual geographies; visualized findings in Python and summarized recommendations.

## EDUCATION

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**Bachelor of Engineering (B.E.)** — *Visvesvaraya Technological University, Bengaluru*

December 2023

CGPA: 7.84 / 10 | Coursework: DSA, Operating Systems, Computer Networks, DBMS, OOP

## CERTIFICATIONS & LANGUAGES

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- **Certifications:** SQL (Udemy, 2025) | Python Programming (Udemy, 2024) | Excel Advanced (Udemy, 2024)
- **Languages:** English (Professional), Hindi (Fluent), Kannada (Native)