

Divyesh Tharakan

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PROFESSIONAL SUMMARY

Result-oriented Software Engineer with two years of experience in **AWS** and **Cloud Security**. Skilled in **Python**, **Java**, and **AWS**, with expertise in developing secure and robust software solutions, enhancing security through process automation, and monitoring production-level API logs and configurations. Passionate about Cybersecurity, Threat Intelligence and Security Automation.

EDUCATION

Master of Technology, Information Security

Vellore Institute of Technology, Vellore, Tamil Nadu

July 2024-May 2026

CGPA: 8.73/10

Bachelor of Technology, Computer Science and Engineering

MIT Arts, Design and Technology University, Loni Kalbhor, Pune

Aug 2018-May 2022

CGPA: 8.02/10

SKILLS

Programming: Python, Java

Machine Learning: Pandas, NumPy (Basic)

Threat Detection & Monitoring: Splunk, SIEM

Cloud & Network Security: AWS Security Hub, Zero Trust Architecture, Web Application Firewalls

Identity & Access Management (IAM): Multi-Factor Authentication (MFA), Role-Based Access Control (RBAC)

Application & Endpoint Security: OWASP Framework

Penetration Testing & Ethical Hacking: Kali Linux, Metasploit, Nmap, Hydra, Burp Suite, Wireshark

Data Framework: SQL, MongoDB, Microsoft Excel

Version Control & Collaboration: Git, GitHub, Confluence

WORK EXPERIENCE

Software Engineer, Persistent Systems, Pune, India

Jul 2022-Jun 2024

- Streamlined onboarding, reducing time by **20%**, and increased documentation usage by **45%**, enhancing knowledge-sharing within the team.
- Decreased recurring database errors by **40%** and reduced Mean Time to Resolve (MTTR) by **25%** using proactive log analysis.
- Increased deployment success rate by **15%** and improved system throughput by **30%** through efficient architecture.
- Cut query latency by **30%** and improved alert response time by **30%**, enhancing operational efficiency.
- Reduced onboarding time by **20%** and boosted documentation usage by **45%** within the team.
- Consistently delivered projects within deadlines, ensuring strong client satisfaction.

Software Engineering Intern, Persistent Systems, Pune, India

Jan 2022-Jun 2022

- Utilized SIEM for **security monitoring**, improving **threat detection** efficiency and reducing false positives.
- Assisted in **incident triage** and **root cause analysis**, reducing **incident response time by 15%**, ensuring faster containment and mitigation of security threats.
- Ensured compliance with **security policies** and **GRC frameworks**, improving **reporting efficiency by 25%**, streamlining risk assessment and security posture enhancements.

PROJECTS

Training and Placement Management Desktop Application | Tech Stack: Java, Eclipse IDE, MySQL

- Developed a Java-based desktop application in Eclipse IDE to automate biodata collection and streamline student placements.
- Implemented secure login with OTP, Forgot Password, and role-based access, allowing students to update biodata and download PDF reports.
- Integrated MySQL for data storage, enabled job and internship applications, and added text field filters for precise data retrieval.

Car Damage Detection | Tech Stack: Python, Mask R-CNN, Scikit-Learn

- Led a team in developing an automated car damage detection system using Mask R-CNN.
- Achieved 92% accuracy in pixel-level damage segmentation across 10,000+ images; and 82% accuracy in Classification of damage.
- Streamlined claim assessment, leading to a remarkable 65% reduction in processing time and heightened operational efficiency

Power-BI-HR-Workforce-Analysis | Tech Stack: PowerBI, Python, SQL, Excel

- Analyzed HR workforce data to identify key factors (e.g., demographics, job roles, satisfaction, compensation) affecting employee retention and performance.
- Leveraged insights to recommend HR policy improvements, predict attrition trends, and boost employee engagement and productivity.

CERTIFICATIONS

- AWS Certified Cloud Practitioner (CLF - C01) Exam – Issued: Aug 2023**
- Introduction to Security Information and Event Management (LinkedIn Learning)
- AWS Administration: Security Fundamentals (LinkedIn Learning) – **Ongoing**
- Introduction to Cybersecurity (Cisco)