

Mansi Sheth

Email: mansi.sheth@gmail.com Mobile: +1 603 265 0494

LinkedIn: <https://www.linkedin.com/in/shethmansi> GitHub: <https://1MansiS.github.io>

CAREER SUMMARY

Accomplished security professional with over 15 years of industry experience. Public speaker at premier, peer-reviewed, industry leading conferences. Highly motivated, detail oriented, self-starter with deep curiosity to explore how Artificial Intelligence can be leveraged in security domain. Excellent communicator who can convey technical concepts in clear and concise manner. Exceptional flexibility to work independently and cross-functional teams across the globe. Proven record of leadership and mentoring skills.

RELEVANT PROJECTS

- Employing Machine Learning (ML) & Natural Language Processing (NLP) toolkits, created models for locating security responsible functionality in any project.
- Architected and developed secure storage and retrieval system to process troves of customer data used to train ML models using AWS S3, KMS and EC2 services.

PUBLIC SPEAKING & BLOG SERIES

- Noteworthy Cryptography Talks: [BlackHat-Canada](#), [NorthSec](#), [DefCon](#), [JavaOne](#), [Refer Full List](#)
- “Building Security Analytics solution” [XML Prague](#)
- Java Crypto Blog Series: [Java Cryptography Blog Series](#)

GRANTED PATENTS

- [US 10,229,273](#) Identifying components for static analysis of software applications
- [US 9,645,800](#) System and Method for facilitating static analysis of software applications.
- [U.S. 9,405,906](#) System and Method for enhancing static analysis of software applications.

PROFESSIONAL EXPERIENCE

Member of Technical Staff

[VulnCheck](#)

Apr 2025 - Present

- Research vulnerability intelligence sources from government entities to individual products
- Device methodologies to populate and continuously update 500+ different vulnerability intelligence sources behind our endpoints to be served in machine readable form.

Lead Cryptography Software Engineer

[SandboxAQ](#)

Oct 2023 - Sep 2024

- Technical Lead for [Sandwich](#): Open-Source Post Quantum Cryptography (PQC) enabled; crypto-agile library.

Sr. Principal Security Researcher

[Veracode Inc](#)

Feb 2013 - Sep 2023

Static Security Research:

- Conduct research in leading languages, frameworks and technologies; statically detecting security anti-patterns, devising strategies and recommending flaw mitigations.

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- Domain expert for cryptography, writing blueprint specifications for all cryptographic flaws.
- Work closely with other internal and external teams to give expert strategic product directions.

Research & Development:

- Patented compiler tools to facilitate static analysis for non-grammar based templating languages.
- Architected security analytics platform to extract prevalent programming patterns.
- Developed well-designed programming language analysis tools; indispensable for research activities such as automating False Negative detection, taint analysis, etc. Non-IP part of this work is open-sourced for [Java](#) and [Python](#).

Sr. Technology Analyst, Enterprise Application Security Group

Fidelity Investments

Feb 2007 - Jan 2013

Penetration Testing:

- Conduct Security assessments and Penetration Testing on Fidelity's critical flagship web applications and infrastructures.

Static Analysis:

- Lead developer of a static analysis product “**Assembly Line**”; factory of static analysis tools, which bridges gap of current static analysis tools.
- Industry expert in devising **Fortify Rules** to automate finding of security vulnerabilities in custom frameworks and reduce false positives and false negatives.

Security Research:

- Contributor of “[OWASP iGoat](#)” project. Author of iGoat Keychain exercises.
- Architectural influencer in custom security frameworks.

Lead Software Developer

Aug 2002 - Jan 2007

- [Intralinks Inc](#), Boston, USA
- [Accenture](#) - Mumbai, India
- [IRIS Ltd](#) - Mumbai, India

HONORS & AWARDS

- Thought Leadership, Veracode Inc for the maximum number of approved patents.
- You earned it, Fidelity Investments for outstanding security professional.
- Super Trooper Performer Accenture, Mumbai for an exemplary developer.

SKILLS

Languages	Java, Python, Golang, Rust
Technologies	Cryptography, PQC, Static Analysis, Web Security, AWS Technologies
Machine Learning	Scikit-learn, nltk, numpy

EDUCATION

Master of Computer Science

University of Massachusetts, Lowell

Dec 2011

Bachelor of Engineering (Computers)

University of Mumbai, India

July 2002

Diploma in Computer Science

Maharashtra State University, India

July 1999