

EDUCATION

Stevens Institute of Technology | GPA: 3.45

Hoboken, NJ, United States

- Master of Science — Cybersecurity

Jan 2022 – Dec 2023

University of Mumbai

- Bachelor of Engineering — Computer Engineering

Mumbai, MH, India

Aug 2018 – June 2021

SKILLS

Development: Python, JavaScript, PHP, MERN, SQL, NO SQL, CI/CD, HTML, CSS, Apache, Agile, SCRUM, Kanban, Jira**CyberSecurity:** Autopsy, FTK Imager, Burp Suite, NIST, Disk Drill, OWASP, Access Control, WireShark, NMap, TCP/IP, Endpoint Security, Compliance, API Security, SANS, MITRE Framework, DDOS Protection**Platforms:** Windows AD, Linux Distro's, Google Suits, AWS Technologies

WORK EXPERIENCE

Friends of Health

Mumbai, MH, India

Full Stack Developer

Dec 2021 – July 2022

- Developed the Friends of Health website using **ReactJS, Firebase, Redux, SCSS, and Material-UI**, with a focus on **layered security architecture and scalable functionality**.
- Enhanced security posture by implementing robust security measures, conducting **vulnerability analysis**, and ensuring **compliance** with industry security standards.

I2E Consulting

Mumbai, MH, India

Web Developer Intern

Aug 2021 – Dec 2021

Received a performance award for contribution towards "Pats!".

- Worked in an **Agile** team of 9 to design and implement the Internal Recognition Platform "Pats!" using **React, PHP, HTML5, CSS3, Redux, React Dom, and JavaScript**, focusing on security and performance.
- Fixed security vulnerabilities, including **SQL injection** and **access control issues**, while **encrypting sensitive data** and implementing **backup protocols**. Enhanced system security and performance, resulting in a reduction in **unauthorized access**.

Perfect Traders

Mumbai, MH, India

Web Security Developer

June 2020 – Aug 2021

- Designed and Developed the Covi-Check website using **PHP, HTML5, CSS3, and Apache**, ensuring a **responsive and user-friendly interface**. Implemented **real-time data updates** and interactive mapping using **JavaScript and AJAX**.
- Designed and maintained a **MySQL database** for COVID-19 data, implementing security measures to **prevent unauthorized access** and establishing regular **backups** for **data protection**.

PROJECTS

Keylogger

Aug 2024 – Aug 2024

- Developed a **Python**-based Keylogger capable of capturing and manipulating user keystrokes. The project demonstrates proficiency in low-level **input handling, real-time data collection**, and the ability to **alter and log keystrokes** effectively.

Portfolio Website

Feb 2024 – April 2024

- Developed a responsive portfolio website using **React, HTML5, SCSS, CSS3, and JavaScript**.
- Enhanced visual appeal with seamless animations using **Framer Motion** and implemented a contact form with **EmailJS**.
- Deployed the site on **GitHub Pages with Cloudflare DNS** for **optimal performance and site reliability**.

Securing a Cloud-based Healthcare Application

Aug 2023 - Dec 2023

- Design and implement **AWS security** measures, including **Shield, WAF, IAM policies, encryption, and disaster recovery** for a cloud-based healthcare app. This resulted in a 30% reduction in unauthorized access, 40% increase in system availability, 50% mitigation of data loss, and 25% decrease in security incidents.

Solar Management Tool – (SCRUM Master / Full-Stack Developer)

Jan 2023 – May 2023

- Led a team of 5 to develop a Solar Project Management tool, improving **project delivery timelines by 30%** and **reducing development time by 25%**.
- Implemented a **MERN** stack with **Redis**, enhancing connectivity and **increasing system efficiency by 20%** through **RESTful API** integration, and conducted **code refactoring** and **automated testing**.

PUBLICATIONS

- Soham Mehta, Deep Nandu, "Revelation of Cryptography", IJRSCEIT Vol. 7, Issue. 2, Page. 108-117, Mar 2021
- Soham Mehta, "Deep Web and Cybercrime", IJSRET Vol. 6, Issue. 1, Page. 348-35e6, Feb 2020