

ATHARVA MEHERKAR

Software Engineering Student — Cybersecurity and AI Focus

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Summary

Highly motivated Computer Science Engineering student with diverse hands-on experience in **Web Development, AI/ML, and Cybersecurity**. Proven ability to develop complex applications, implement secure systems, and apply cutting-edge AI models for practical solutions. Seeking an internship to leverage a comprehensive skill set.

Education

Vishwakarma University, Pune

Bachelor of Technology in Computer Science Engineering

- CGPA: 7.68

Expected: May 2026

Pune, Maharashtra, India

Technical Skills

- **Languages:** Python, Java, JavaScript, C, C++
- **Frontend:** ReactJS, Angular, Flutter, HTML5, CSS3
- **Backend:** Node.js, Express.js, Flask, REST APIs
- **AI/ML:** PyTorch, Transformers, scikit-learn, pandas
- **Cybersecurity:** SIEM, Threat Detection, Nmap, Wireshark
- **Databases:** MySQL, SQLite
- **Tools:** Git, VS Code, Linux

Projects

Secure Password Manager | Python, Cryptography (AES-256), Tkinter

[🐙 GitHub](#)

- Developed a desktop password manager featuring robust **AES-256 encryption** to ensure secure local storage of user credentials.
- Implemented a **zero-knowledge architecture**, guaranteeing that user data remains private and inaccessible, even to the application administrator.

Phishing Email Analyzer | Python, Machine Learning, NLP

[🐙 GitHub](#)

- Engineered an **AI-powered tool** to analyze email content and headers, identifying and flagging potential phishing attacks in real-time.
- Utilized **Natural Language Processing (NLP)** techniques to extract and classify malicious features, achieving high accuracy in threat detection.

Advanced Log Analysis Tool | Python, Pandas, Scikit-learn

[🐙 GitHub](#)

- Built a **SIEM-like tool** to ingest, parse, and analyze system logs for security threats and anomalous activities.
- Implemented **machine learning models** for anomaly detection, enabling proactive identification of potential security incidents from log data.

URL Security Analyzer | Python, Flask, REST APIs

[🐙 GitHub](#)

- Developed a web application that analyzes URLs against threat intelligence feeds and local heuristics to generate a **comprehensive security score**.
- Integrated multiple external **security APIs** to provide a multi-faceted threat assessment, showcasing proficiency in web security protocols.

Certifications

AI Engineering (Specialization)

[Coursera](#)

May 2025

IT Fundamentals for Cybersecurity (Specialization)

[IBM / Coursera](#)

January 2025

Fundamentals of Computer Network Security (Specialization)

[University of Colorado / Coursera](#)

Feb 2025

Learn to work with APIs (Specialization)

[Coursera](#)

May 2025

Google Cybersecurity (Professional Certificate)

[Google / Coursera](#)

July 2025