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. Looking for an internship to leverage a comprehensive skill set.

Education

Vishwakarma University, Pune   **Expected: May 2026**
Bachelor of Technology in Computer Science Engineering   *Pune, Maharashtra, India*
- CGPA: 7.68 — SGPA: 8.81 (Current Semester)

Technical Skills

- **Languages**: Python, Java, C, C++
- **Frontend**: ReactJS, Flutter, HTML5, CSS3
- **Backend**: Node.js, Flask
- **Cybersecurity**: SIEM, Threat Detection, Nmap, Wireshark
- **Databases**: MySQL, SQLite, MongoDB
- **Tools**: Git, VS Code, Linux

Projects

AI Groundwater Management System | *Python, ML (LSTM/Time-Series), Flask*   🐙 **GitHub**
- Engineered an AI-powered platform for sustainable resource management, utilizing Time-Series ML models (LSTM) to forecast groundwater levels and inform water budgeting.
- Developed a web interface integrating model predictions with crop advisory services, providing a real-world solution to a complex environmental challenge.
- Implemented rigorous data validation protocols to ensure the reliability and accuracy of environmental data feeds critical for model training and deployment.

Security Operations Dashboard | *Python, Flask, Log Analysis, SIEM*   🐙 **GitHub**
- Built a web-based **SIEM (Security Information and Event Management) simulator** using Flask to ingest, parse, and visualize security log data from various sources.
- Designed and implemented a data pipeline for high-volume log parsing and **anomaly detection**, enabling proactive identification of security threats.
- Conducted **backend and data integrity testing** to verify that alerts triggered accurately based on pre-defined security rules and thresholds.

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

Advanced course on Green Skills and Artificial Intelligence   **AICTE / Edunet Foundation**
September 2025

Training Program: Future Skills for Youth   **Deutsche Bank / Rubicon Foundation**
August 2025