

ATHARVA MEHERKAR

Aspiring Software Engineer

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Summary

Highly motivated Computer Science Engineering student with diverse hands-on experience in **Full Stack 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 (Advanced), Java (Core, OOP), JavaScript (ES6+), C, C++

Web Development: Frontend: ReactJS, Angular (Concepts), Flutter, Android SDK, HTML5, CSS3 (Flexbox, Grid, Responsive Design), UI/UX; **Backend:** Node.js (Express.js, Socket.IO), Flask (Python), RESTful APIs, WebSockets

AI / Machine Learning: Concepts: NLP, Computer Vision, Recommendation Systems, Explainable AI (XAI), Generative AI, Transfer Learning; **Libraries:** PyTorch, Hugging Face Transformers, scikit-learn, pandas, NumPy

Cybersecurity: Concepts: SIEM, Threat Detection, Encryption, Ethical Hacking, XAI in Security; **Tools:** Nmap, Wireshark, Metasploit, OWASP ZAP

Databases: MySQL, SQLite

Tools & Platforms: Git, VS Code, Jupyter Notebooks, Postman/Insomnia, npm, Linux

Projects

Malicious URL Detector with Explainable AI (XAI) Insights | *Python, Flask, Scikit-learn*

- Developed an **ML-powered Flask web application** for malicious URL detection, integrating **visual XAI insights** to explain model predictions.
- Applied **NLP and feature engineering** to classify URLs, showcasing interpretable AI in cybersecurity.

Simple Full Stack E-commerce Platform | *ReactJS, Node.js, Express.js*

- Designed and developed a **complete, responsive e-commerce web application** with a **ReactJS frontend** and a **Node.js/Express.js backend**.
- Implemented core e-commerce functionalities (product listings, cart, checkout) and managed data flow across the stack.

Security Operations Dashboard (SIEM Lite) | *Python, Flask, Chart.js*

- Built a **web-based SIEM simulator** for centralized security event monitoring, analysis, and visualization with dynamic charts.
- Demonstrated **SecOps concepts** by simulating events, displaying metrics, and implementing user authentication.

Movie Recommender System (Content-Based) | *Python, Flask, Scikit-learn, NLP*

- Created a **Flask web application** for movie recommendations using **NLP (TF-IDF)** and **Cosine Similarity**.
- Designed an interactive UI displaying dynamic movie cards, enabling content-based exploration.

Certifications

AI Engineering (Specialization)

May 2025

Coursera

IT Fundamentals for Cybersecurity (Specialization)

January 2025

IBM / Coursera

Fundamentals of Computer Network Security (Specialization)

Feb 2025

University of Colorado / Coursera

Learn to work with APIs (Specialization)

May 2025

Coursera

Google Cybersecurity (Professional Certificate)

July 2025

Google / Coursera