ATHARVA AUTI

+91 84528 61970 ⋄ Mumbai

bm.aatharvauti@pm.me ⋄ linkedin.com/in/aatharvauti ⋄ aatharvauti.github.io

EDUCATION

Bachelor of Engineering in Cyber Security, Mumbai University   Expected 2024

Relevant Coursework: OOPS Concepts using C, Java & Python, DBMS and Security Systems, Modern Web Development, Network Security, Cryptography, and Cyber Laws.

Activities & Societies: Google Developer Students Club SAKEC Cyber Security Lead, Brand Ambassador of HackHunt Cybersecure at SAKEC, and CyberPeace Foundation Contributor (NGO).

SKILLS

Programming Languages	Python, Bash, JavaScript, Java, C
Soft Skills	Project Management, Presentation, Team Leadership
Tech Stack	React, NodeJS, MongoDB, ExpressJS, Firebase
Tools and Modules	Linux, Raspberry Pi, Git Version Control, Cloud (Azure, GCP), MySQL, GraphQL, Redis, Neo4j, Splunk, Elastic Stack, Tensorflow, Numpy, Pandas, Jupyter Notebook, Docker, Kubernetes

EXPERIENCE

Co-founder and Lead FullStack Developer   September 2022 - Present
Cybees (IT Services and Software Solutions)   *Mumbai*

- Cybees is an IT company that provides network security solutions to its customers.
- **HoneyTrack** and **Network Traffic Analyzer** are the softwares developed to help organizations cope up with Cyber Security Threats and secure their infrastructure.
- Worked and Implemented projects with the CyberPeace Foundation, Mumbai University, and AICTE.

Security Researcher   July 2022 - September 2022
HackHunt Cybersecure LLP   *Mumbai*

- Improved and developed the project **"HoneyTrack"** from a corporate perspective.
- Researched on **Firewalls** and Intrusion Detection System and Intrusion Prevention System.

Security Researcher   September 2021 - June 2022
National Threat Intelligence Response Team   *New Delhi*

- Researched Law & Chain of Custody, **Forensics**, and **Cyber Crime**.
- Learned and conceptualized Digital Forensics, **Networking**, and **Ethical Hacking** with practical implementations in the civil law of India.

PROJECTS

[HoneyTrack](#) – **An Improved Honeypot.**

- A **Honeypot cum SIEM tool** developed on **Docker** Container using **Python and Bash scripting**, and SIEM features using **Elastic Stack.**
- Programmed a Docker script that **installed HoneyTrack in less than 2 minutes**. Configured Elastic Stack on **Microsoft Azure** to collect logs and visualize big data.
- **Supervised Git** VCS operations for the team. Monitored attacks for 30 days which **generated 1,000,000+ logs**. After the successful tests, the college planned to implement the project in its incident response policy.

Cybees – Network Traffic Analyzer.

- A software that is used to capture and analyze **real-time network data** and provide an interface for Network administrators. Core features of this software are **Network Auditing, Infrastructure, Anomaly Detection, Detecting Operational Issues, and Threat Analysis.**
- Worked as a full stack developer to **integrate Backend** scripts **and Frontend** using **FastAPI** calls with **Python and JavaScript**
- Developed the **project workflow and a roadmap**, organized meetings with teammates, and supervised operations and development of software using Git Version Control Management.

Accident Detection through CCTV footage using Python.

- Developed a **machine learning model** that classifies an image as either **"Accident" or else "Non-Accident"**. Python modules used – Tensorflow, PIL, Numpy, Matplotlib, and Keras.
- After training, the **accuracy** during the testing & validation phase ranged **from 75% to 85%**, and the actual **mean accuracy** of implementation was **82.55%**.

RECOGNITION & ACHIEVEMENTS

Participation at the CiiA Exhibition – Team Leader of HoneyTrack

- Presented the project "HoneyTrack" at the **CiiA Exhibition (2022)** & accomplished **96% positive feedback** from Industry experts.

2nd Prize at a National Level Paper Presentation Competition – Team Leader of HoneyTrack

- Achieved **2nd Position at the Technovation (2022)** (National Level Paper Presentation Competition) for the title "HoneyTrack".

Open Source Contributor – https://github.com/aatharvauti

- Ranked top 5% of all users on GitHub **(10000+ contributions, 50+ Public Repositories).**
- Published Repositories of solved questions on HackerRank – https://www.hackerrank.com/aatharvauti

CTF Player on TryHackMe – https://tryhackme.com/p/aatharvauti

- Best Ranked **Top 1000 (all time)**, Ranked 3rd (monthly worldwide) and 1st (monthly India).

Licenses & Certifications – Verify on LinkedIn

- **Various Networking & Cloud Certifications** from CISCO, IBM, and Palo Alto Networks.
- Master's Credits from Charles Sturt University in **Cryptography and CISSP** coursework.
- Indian Institute of Bombay Certifications in **Python, C, and Java**.
- Virtual Experience Programs from Accenture plc, Goldman Sachs, and Genius Armory.

LEADERSHIP

Team Leader, HoneyTrack – 2nd & 3rd Year Mini Project

- Lead Developer, Project Management and supervision, Participation in various Paper Presentation Competitions and Product Exhibitions

Team Leader, Cybees – Smart India Hackathon 2022 Grand Finalist

- CPF Project Contributor, Project Management and Participation in Product Exhibitions