




SAMUEL E

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Summary

Engineering student passionate about software development and cybersecurity, with strong problem-solving skills. Proficient in Java and Python, with a solid understanding of data structures and algorithms. Skilled in building efficient and scalable solutions while continuously learning new technologies

Education

B.Tech – Information Technology Karpagam Institute of Technology, Coimbatore	(2022– 2026) CGPA 6.7
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Certifications

CyberSecurity Professional Certificate	(Jan 2025)
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Google | Coursera

Data Structures and Algorithms using Java	(Oct 2024)
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IIT Kharagpur | NPTEL

- Topics Data Structure, Java collection framework and Basic oops concept
- Proficient in Logical Thinking and Programming in Java.

Basics of Python Skill Test	(Jul 2024)
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HackerRank

Problem Solving Basics Skill Test	(Nov 2024)
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HackerRank

Projects

Zero-IPChanger :

- Developed a Python-based IP changer using the stem library to interact with the Tor network.
- Automated the process of requesting a new identity and verifying the changed IP address.
- Used requests to fetch the current IP and displays the details of the new IP address.

Bug Tracker Web App :

- Developed a full-stack bug tracking system using the MERN stack (MongoDB, Express.js, React, Node.js).
- Implemented role-based dashboards: Users can report bugs, while admins manage and track them.
- Integrated authentication and CRUD operations, allowing users to create, update, and resolve bug reports.
- Designed a user-friendly interface for easy bug reporting and tracking.
- Optimized database queries and API responses for efficient data handling and scalability.

Technical Skills

Soft Skills

1. Programming Languages: Python , Java
2. DBMS: MySql
3. MERN Stack
4. Languages: English, Tamil

Leadership
Team work
Critical Thinking

Achievements

Participated in IASICT'24

(Apr-2024)

- Published a paper on the **IASICT'24** organised by Karpagam Institute of Technology regarding the future of darkweb and protecting the PII information from trackers and malicious actors by using DarkWeb.