

Jyosyula Sai Aditya

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Education

- **B.Tech (CSE-Cyber Security)** - 7.9 CGPA 2020 - 2024
CVR College of Engineering, Hyderabad
- **Intermediate (MPC)** - 9.79 GPA 2019 - 2020
Aditya Junior College, Tadepalligudem

Experience

- **Security Software Engineer - Intern** 01/2024 - 04/2024
ProDiscover Computer Forensics, Hyderabad
 - **TechStack:** Rust, Python, Django, Django Rest Framework, Elasticsearch
 - Worked on building an MVP for a SIEM security tool.
 - Responsible for building the Django backend and a few Rust agents for the Security Admin Console for IT Security teams. This tool helps IT admins get real-time data from employee systems in the organisation. This data includes running applications, startup apps, CPU utilisation, exe files, and battery usage
 - I coded Rust agents that take this data from employee systems and post it to a Django endpoint. Django then takes the data and saves it in Elasticsearch, which is used to display it on the frontend.

Skills

- **Skills:** Python, JavaScript, Rust, SQL, HTML, CSS, Flutter, ReactJs, NodeJs
- **Cyber Security:** Digital Forensics, Cryptography, SQL Injection, XSS, CSRF, Web application security
- **Other Skills:** Microsoft Suite, Firebase, Clerk, Elasticsearch, REST APIs
- **Soft Skills:** Team Work, Public Speaking, Analytical Thinking, Decision Making

Projects

- **Phishing Website Detection using ML:** [Github](#)
 - Developed a ML Model to detect phishing websites and used flask to interact with frontend.
 - Used regression and classification algorithms like MultinomialNB and logistic regression to detect the fake or phishing urls and trained on dataset which has approximately 5 lakh labeled websites.
 - Fine tuned model by considering url, length, shortened links and others which increased accuracy to 96%.
- **Government Fund Allocation and Management using Blockchain:** [Github](#)
 - Developed a State Government fund management system using Blockchain to ensure secure, transparent, and tamper-proof allocation of funds between the Government and other entities.
 - Implemented the backend with Flask with web3 package and created frontend using HTML and CSS. Utilised Ganache for the demo Blockchain currency and truffle for configuration of Blockchain.
 - Leveraged Blockchain to enhance security, and provide a trustworthy, immutable record transactions and can be improvised by introduction of advanced and robust consensus mechanism for various use cases.

Certificates and Participations

- SkillFront Information Security Associate - [Link](#)
- Fundamentals of SIEM Alert Rule Development by Purple Academy - [Link](#)
- EPAM Certified Front-end Developer - [Link](#)
- Coursera's Google Cyber Security - [Link](#)
- Campus Executive for IIT Bombay E-Cell leading team of 20 members (July'23 to Dec'23) - [Link](#)
- 3rd prize in College for Public Speech on World Water Day 2023 conducted by TS Government - [Link](#)

Personal Details

Languages Known - Telugu, Hindi, English

Hobbies - Film Making, Volunteering, Cricket, Reading Tech Blogs

Location - 500068, Hyderabad, Telangana, India