

Yaswant R

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ABOUT

A web application security enthusiast with an interest in web development currently pursuing B.Tech in Computer Science. An avid CTF player with a passion to learn.

INTERESTS

Web security(client and server side), Penetration testing and Bug hunting.

EDUCATION

Amrita Vishwa Vidyapeetham, B.Tech CSE GPA: 8.72	Amritapuri, Kerala 2018–Current
Jeevana International School, Class 12 Tamil Nadu State Board GPA: 9.06	Madurai, Tamilnadu 2018
Jeevana International School, Class 10 ICSE GPA: 8.60	Madurai, Tamilnadu 2016

EXPERIENCE

Team bi0s Web Application Security Mentor	Amritapuri, Kerala 2019 - current
<ul style="list-style-type: none">◦ Worked on learning various web exploits and techniques and solved challenges based on them in Capture-The-Flag competitions.◦ Conducted several sessions for freshman year students in the university on Introduction to Web Exploitation and other advanced topics as well.	

SKILLS

- **Languages:** Python, PHP, Javascript, Golang, React
- **Databases:** MySQL, PostgreSQL, SQLite, Mongo
- **Server Side Runtime Environments:** GraphQL, Node.js
- **Platforms:** Windows, Linux
- **Developer Tools:** Git, Docker, Kubernetes, Google Cloud Platform, Amazon Web Services, VSCode
- **Security Tools:** Burp Suite, Wireshark

PROJECTS

ZL Server

2021

Go | Python | Docker | React

- Developed a docker based virtualized web servers.
- The app was built as a solution to finding an easy way to deploy multiple users' code(web server) under the same domain but containerized to their own directory.
- The app was built using a microservice architecture and deployed using docker-compose.
- The app was developed as a submission towards Software engineering course.

Adminbot

2021

Node.js

- Built a bot that could be used in CTF-challenges where an admin bot is required to simulate the client-side vulnerabilities.
- Features include easy deployment of bot, kill bot after a preset idle time, restart once it starts getting requests.

Pandora CTF Framework

2020-Ongoing

Golang | GraphQL | Mongo | React

- Lead developer of Pandora Capture-The-Flag Framework, which focuses on easy management, scalability and deployment for CTFs.
- Was successfully used for India's largest cybersecurity competition for school students, InCTFj.

Web-Exploitation Challenges

2020-Ongoing

PHP | Javascript | Golang

- Authored several challenges on Web-exploitation for CTF competitions organized by TeamBi0s and for Traboda, a Cybersecurity Edutech from team bi0s and amFOSS.

File Storage Service using Microservices

2020

Golang | Python | Kubernetes

- This platform had microservices that performed different tasks like registration, login, mailer, file uploader and downloader, and a gateway that connected these components and served html.
- The application was dockerized and deployed using Kubernetes successfully on Google Cloud Platform.
- Developed as a submission towards cloud computing course.

TCP Dumper

2020

Python Flask | Networking

- This tool can be used in AD ctfs for easily setting up packet captures.

VULNERABILITY DISCLOSURES

Gitlab Undisclosed Rewarded for submitting a bug with high severity.	March 2021
Webmin XSS Submitted a bug which exploits Reflected XSS in the admin panel.	January 2021
Indeed.com Undisclosed Submitted three P4 rated bugs.	December 2020
Twitter.com Undisclosed Submitted a bug classified as informational.	November 2020

TECHNICAL ACHIEVEMENTS

DarkCTF ,First place Team bi0s Solved all the web challenges in this CTF hosted by Team Darkarmy.	September 2020
Byte Bandits CTF ,Runner-up Team bi0s Solved challenges based on SQLi and XSS. CTF was hosted by IIT Indore's academic CTF team.	April 2020
IJCTF 2020 ,First Place Team bi0s Solved all the web challenges in this CTF. CTF was hosted by the team warlock_rootx.	April 2020

EVENTS

InCTFj 5.0 Management team InCTFj 5.0, had 1500 registrations and for the first time, was held online and I was responsible for maintaining the platform that we used to conduct the competition.	December 2020
InCTF 20 Management Team Challenge Author Authored a Challenge 'XQLi' based on xss, sqli and docker-ssrf in which the participant had to exploit this application to get the flag. The challenge had 3 solves by the time CTF concluded.	July 2020

ONLINE PROFILES

- Blog: <https://az3z3l.github.io>
- Github: az3z3l
- LinkedIn: yaswant
- Twitter: az3z3l
- CTF and Wargame handles: Az3z3l, star7ricks