

ABOUT

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

EDUCATION

Amrita Vishwa Vidyapeetham, B.Tech CSE GPA: 8.66	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

LEARNING EXPERIENCE

Team bi0s member Team bi0s is a CTF team of Amrita Vishwa Vidyapeetham currently ranking 1st in India for the last four years and among top 25 worldwide as of 2019(ranked by ctftime.org)	Amritapuri, Kerala 2019 - current
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SKILLS

- **Languages:** Python, PHP, Javascript, Golang, Bash, React
- **Databases:** MySQL, PostgreSQL, SQLite, Mongo
- **Server Side Runtime Environments:** GraphQL, NodeJS
- **Platforms:** Windows, Linux
- **Developer Tools:** Git, Docker, Google Cloud Platform, Amazon Web Services, Burpsuite, VSCode

PROJECTS

Pandora CTF Framework Golang GraphQL Mongo React Lead developer of Pandora Capture-The-Flag Framework, which focuses on easy management, scalability and deployment for any CTF. Was successfully used for India's largest cybersecurity competition for school students, InCTFj	2020-Ongoing
Web-Exploitation Challenges Authored several challenges on Web-exploitation for CTF competitions organized by TeamBi0s and for Traboda, a Cybersecurity Edutech from team bi0s and amFOSS.	2020-Ongoing

File Uploader using Microservices

2020

Golang | Python | Kubernetes

Developed as a part of cloud computing course. 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 into Kubernetes successfully on Google Cloud Platform.

TCP Dumperer

2020

Python Flask | Networking

This tool has a client and a server, in which, the client would capture the network packets and send it to the server from which we could download the pcap and analyse it. This tool could be used in AD CTFs for easily setting up packet captures.

Taxi-Sharity

2019

Java

This desktop app, built using Java, can be used to connect people, taxi-drivers to efficiently carpool and save resources

VULNERABILITY DISCLOSURES

Webmin

January 2021

XSS

Submitted a bug which exploits Reflected XSS in the admin panel.

Indeed.com

December 2020

Undisclosed

Submitted three P4 rated bugs

Twitter.com

November 2020

Undisclosed

Submitted a bug classified as informational.

TECHNICAL ACHIEVEMENTS

DarkCTF, *First place*

September 2020

Team bi0s

Solved all the web challenges in this CTF hosted by Team Darkarmy

Byte Bandits CTF, *Runner-up*

April 2020

Team bi0s

Solved challenges based on SQLi and XSS. CTF was hosted by IIT Indore's academic CTF team.

IJCTF 2020, *First Place*

April 2020

Team bi0s

Solved all the web challenges in this CTF. CTF was hosted by the team warlock_rootx.

EVENTS

InCTFj 5.0

December 2020

Organizing 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 for high school students.

Organizing team

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.

COMMUNITY PROJECTS

- Seminar for high school students 2019
Held a seminar for high school students on the use and misuse of technology and how to keep ourselves safe from people who misuse technology.

LANGUAGES

- **English:** Advanced
- **Tamil:** Fluent/Native
- **Malayalam:** Intermediate
- **Hindi:** Beginner
- **Japanese:** Beginner
- **French:** Beginner