



Nikhil Nair

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About Me I am Currently Perusing My Bachelors in Computer Science, I would term myself as Goal oriented and a smart worker along with perusing my bachelors i have a keen interest in Web-Application Security and Application Development and have done several projects in those fields

EDUCATION

Amrita School Of Engineering

Bachelor of Technology in Computer Science (AM.EN.U4CSE18140)

Amritapuri, Kerela

Aug. 2018 – present

Navy Children School

Central Board Of Secondary Education; 82%

Kochi

2016 – 2018

EXPERIENCE

Member of teambi0s

June 2018 – Present

Web Application Security and Penetration Testing

- Web Application security testing, Vulnerability Assessment, penetration testing
- Experience in different web application security testing tools and Frameworks like Acunetix, Metasploit, Burp Suite, Sqlmap, OWASP ZAP Proxy, Nessus, Nmap and HP Fortify.
- Conducted multiple sessions for freshmen year students in the university on Basic Web Application Security and penetration testing

PROJECTS

Gods-Eye | *Python, Docker*

June 2020 – Present

- * Developed a cli tool of Web Application Reconnaissance and information Gathering
- * Checks For Basic Vulnerabilities like lfi, and idor

SSRF-LABS | *Php, Docker, Network*

- * As a Part of ssrf-labs Developed several Web Applications vulnerable to server-side request forgery for beginners to exploit and understand the concept

Assignment Management System | *Php, sqlite3, JavaScript, rest api*

- * Full stack Assignment management system
- * Features: Admin Dashboard, Teacher's Panel, Students Dashboard, File upload, sessions, jwt authentication, gauth implementation

InCTF Events | *Management Team and Challenge Author*

- * InCTFj: Created 5 challenges in Web Application Security category for CTF conducted for Indian School students.
- * InCTF Nationals: Created 4 challenges in Web Application Security category for CTF conducted for Indian University students.
- * InCTFi: Created 1 challenges in Web Application Security category for International CTF conducted by teambi0s.

Pandora | *Go-lang, React, Python, Js*

June 2020 – Present

- * Co-Developed An fully functional and salable Capture the flag framework using Golan and React, which was used for India's largest Capture the flag event Inctf
- * Used to Host challenges for Capture the flag Competitions

Health-Checker | *java*

- * Created a Java GUI based Application that takes in your details like height weight age etc and gives you an report based regarding your bmi, health issues you might face in the future and a graphical representation of where u stand on the health scale.

Microservices Using Kuberneetes | *Flask,javascript*

- * Created A Microservice Architectural application deployable on Kuberneetes which included Login/Registration, Video Downloader and uploader and a rest based Resturatnt Finder

TECHNICAL ACHIEVEMENTS

Winners in DarkCTF

September 2020

team bi0s

- * Participated in the CTF hosted by team darkarmy. Solved the Web and Forensics Challenges.

Runners Up in nullcon HackIM

February 2019

team bi0s

- * Solved challenges based on data exfiltration via dns and copy paste xss

Runners Up in Byte Bandits CTF

April 2020

team bi0s

- * Solved challenges based on sqli and xss, CTF hosted by IIT Indore's academic CTF team.

1st Place in ER&DCI CTF

March 2020

team bi0s

- * Participated and won the ctf organised by ERDCI with several monetary reward

2nd Runners up in CSAW CTF Nationals

November 2020

team bi0s

- * Participated in the main team for the finals of CSAW organized by NYU Centre for Cyber Security, New York

ADDITIONAL ACHIEVEMENTS

Blackhat Europe Student Scholarship Awardee

September 2019

- Was awarded a complimentary Academic Pass to Black Hat Europe

Black hat USA Student Scholarship Awardee

May 2020

- Was awarded a complimentary Academic Pass to Black Hat USA

Bug Bounties

- Found Several Low critical Bugs in Platforms such as indeed,hyatt,zomato etc

TECHNICAL SKILLS

Languages:Python, Go, SQL (Postgres,sqlite3,mysql,mssql),Nosql(Mongo), JavaScript,, HTML/CSS

Frameworks: React, Node.js, Flask, Django, Word Press,Angular

Developer Tools: Git, Docker, netlify, Google Cloud Platform, VS Code,Burpsuit,Aws,Netattacker