Vaishnav Prabhu

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Dedicated cybersecurity enthusiast with a fervent commitment to fostering digital safety. A meticulously organized professional driven by a passion to safeguard cyberspace and contribute to a secure digital future.

Education

MSc Cyber Security
University of the West of England, United Kingdom

2023-2024
Ongoing

- Crafted a Windows Malware deployed using USB HID Attacks with 0 percent EDR/anti-virus detection rate
- Development and Deployment of a fully functional Project for Authentication System in Radio Transmission in Microprocessors in Internet of Things
- Additional Work: Participation in various CTF contests, Led personnel for various Project Initiatives

Bachelor of Computer Application
Symbiosis International University, India

2020-2023
7.60 GPA

- Gained comprehensive knowledge in computer applications, honed problem-solving skills, and developed a strong foundation in software development.
- Developed three fully functional production level Android Applications, a back-end to manage those applications using tools such as Jenkins, Docker, Github and more
- **Relevant Modules:** Introduction to Vulnerability Assessment Penetration Testing, Linux Shell Scripting, IOS Application Development, Advanced Internet of things, Design of Content Management Systems, Mobile Programming

Higher Secondary (A Levels)
Father Agnel School, India

2018-2020
70%

- **Modules:** Computer Science, Accounting, Business Studies, Economics

Relevant Experience

Founder
Cyber Nexus

June 2023 - Present
Remote

- Working with various companies to cater to their branding and IT needs. Overseeing the team performing various activities such as building websites, custom pipelines and marketing plans for our clients.

Full Stack Developer & UX Designer
Smartways

January 2023 - January 2024
Full Time - On-Site

- Worked with various clients to cater to their IT and Graphic needs
- Built internal tools such as uptime monitoring service, and CRM pipelines.
- Headed the development of 27+ simultaneous projects consisting of various custom-coded websites and APIs with appropriate technologies
- Worked on Website Optimisation leading upto 80% improvment resulting in a 50% sales increase for clients
- Owner of the automatic shipping rate calculator shopify plugin

Android Developer
ExploreIt

Jan 2022 - April 2022
Volunteering

- Lead a team for building an Android Application to help the NGO spread their campaigns

Cyber Security Intern
Gurugram Police

June 2021 - July 2021
Internship - Remote

- Assisted the Law Enforcement Agency with certain cases that required advice on topics such as writing reports on Modus Operandi for Cyber Scammers.
- Got to assist on various other assignments such as gathering OSINT data, usage of tools to gather more information about certain activities

Software & Web Developer
Nimblestepz Solutions

August 2020 - January 2021
Volunteering

- Creation and optimisation of their main website to attract clients
- Owner of Android Testing Toolkit used for testing mobile apps simulating various vendors, resolutions, processors and more

Tech Stack and Skills

- **Languages:** Python, NodeJS, PHP, HTML, CSS, Javascript, Java, SQL, Dart, Ruby, C#, C++, Liquid, Typescript
- **Tools, Frameworks, Libraries and IDE:** Elastic, Linux Shell Scripting, Powershell and Batch Scripting, REST API, Docker, Apache, Node.js, React.js, Angular.js, Express.js, Jenkins, WordPress, Drupal, GIT, Azure Data Studio, SQL Server, AWS, EC2, GCP, Alexa VUI, SQL Alchemy, Regex, JSON, Jquery, Android Studio, XCode, Flutter, Nginx, React, Firebase, DotNet, Adobe Creative Suite
- **Skills:** Home Labs (Configuring Firewalls, Networks, Switches, Linux Administration), SEIM, Pentesting, Data Analytics, API Development, Information Security Risk Management, Website Development and Speed Optimization, Linux Shell Scripting, Debugging, Mobile App Development, DevOps, Containerization, Web App Development, Asymmetric Encryption, Cryptography, Figma, Adobe XD, Adobe Creative Suite, CI/CD

Projects

Security Home Lab: Simulating and Pentesting a Corporate Network with SIEMs, Firewalls, & VLAN Segmentation

Windows Malware with its Command-and-Control Server with 0% detection rate: Deployed using Rubber Ducky

Linux Endpoint 360° Scanning and privilege escalation

Full Fledged IoT Radio Authentication System with Asymmetric Encryption

Mobile Toolkit for Windows (Written in C++)

Self-Hosted Tools (NAS, Media Server etc) using Hypervisors: Containerisation, Linux Administration & IAM Policies

Additional Experience

Crew Member	October 2023 - Present
McDonald's, UK	*Part-Time*
IT Support Head	March 2022 - September 2023
Charter For Compassion	*Volunteering*
Technical Support Head	August 2022 - September 2022
IoT Workshop IEEE SICSR, Pune	*Part-Time*
Deputy Cultural Head - Student Council	August 2021 - September 2022
SICSR Pune	*Volunteering*

Co-Curricular Training

Trained Classical Musician

Audio Engineer

Cinematographer

Social Media Manager

Video & VFX Editor