

Sameer Akhtari

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PROFESSIONAL SUMMARY

Passionate CyberSecurity, Networking, IoT and Blockchain Enthusiast. A technical problem solver with a passion for CyberSecurity, Networking, IoT and Blockchain. Proven track record of being a fast learner and consistency in work. Strong communication skills. Relevant experience in Blockchain and IoT projects, proficient in Linux and its tools. Seeking opportunities to grow in the field. I am available immediately to join.

AWARDS AND CERTIFICATIONS

Certified Ethical Hacker C EH CISCO Networking Academy	In Progress
Introduction To Cybersecurity CISCO Networking Academy	November 2023
Cybersecurity for Blockchain from Ground Up EC-Council	June 2023
Ethical Hacking Essentials EC-Council	January 2023
Python Data Structure University Of Michigan	July 2021
Programming for Everybody (Getting Started with Python) University Of Michigan	August 2020

TECHNICAL SKILLS

Languages : Java, Python, Swift, C/C++, Solidity, MySQL, HTML, CSS

Frameworks : React Native

DevOps and API Tools : Git, Docker, Azure DevOps, Postman, Servlet, Microsoft 365

Cloud and Security Tools : Pentesting, AWS, Azure Cloud, SQL Server, Linux (RedHat and Debian)(Configuring and Managing), Scripting, Cryptography

Others : IoT, Data Modeling, Design Patterns, Debugging, Root Cause Analysis, Apache, Nginx, DIY Projects

EXPERIENCE

- Trainee Engineer** | Digital Ocean February 2024 –Present
- As a Trainee Engineer at DigitalOcean, I'm immersed in a dynamic environment focused on DevOps and backend technologies. My responsibilities encompass a wide array of tasks, including proficiency in Linux systems administration across distributions such as Red Hat and Debian. I actively engage with virtualization technologies, managing VMs and leveraging Docker containers for streamlined deployment processes. Moreover, I'm gaining valuable experience in cloud computing, leveraging DigitalOcean's platform to deploy and scale applications with ease.
 - At DigitalOcean, I've experienced firsthand the transformative power of their cloud infrastructure solutions, renowned for their simplicity, scalability, and developer-friendly approach. From deploying droplets to managing Kubernetes clusters, DigitalOcean empowers developers like me to bring projects to life seamlessly. Their intuitive interface and robust API streamline workflows, accelerating development cycles and fostering a culture of innovation and growth within the team.
 - As a Trainee Engineer at DigitalOcean, I'm not only acquiring technical expertise in DevOps and backend technologies but also immersing myself in a culture of innovation and continuous learning. I'm thrilled to be part of a company that is revolutionizing cloud computing and empowering developers worldwide to build, deploy, and scale applications with confidence.
- Internee Engineer** | Beyond360, Karachi September 2023 – December 2023
- During my tenure as a Trainee Engineer at Beyond360, I gained hands-on experience in Java-Web Application Development, HTML, CSS, JavaScript, WordPress development, Shopify development, SEO, content writing, graphic designing, video editing, and MySQL.
 - I contributed to enhancing the company's website by implementing new features using WordPress, as well as through custom HTML, CSS, JavaScript, and MySQL coding. Additionally, I conducted SEO optimizations to improve the website's visibility and ranking.
 - My role involved working both independently and as part of a team, collaborating closely with colleagues on various projects while also taking ownership of individual tasks and initiatives. This allowed me to develop strong teamwork and communication skills, essential for successful project execution in both collaborative and solo environments.
 - Furthermore, my contributions extended beyond web development to encompass content creation, graphic design, and video editing, showcasing a diverse skill set and adaptability across different domains.
- Intern** | Interns Pakistan July 2021
- Throughout the Online Internship Program, I acquired a robust skill set in web development, including proficiency in HTML, CSS, JavaScript, PHP, and WordPress. Through practical projects and challenges, I honed my abilities to create responsive, user-friendly websites and gained valuable experience in tackling real-world coding tasks.

EDUCATION

Mehran UET Jamshoro, Pakistan

BE in Software Engineering | GPA : 3.13

August 2018 – January 2023

PROJECTS

Smart Hat | *C/C++, Python, Machine Learning*

[In Progress]

- A IOT Based Hat for Blind People that use esp32-cam and other sensors and controllers connected wirelessly with a mobile application that use image processing and Speech Service to translate that video stream to a Blind person to Navigate in real world without using white cane.

Home Distribution+Access Layer Networking | *linux, Networking, PF Sense OS*

2023

- Implemented Home Distribution + Access Layer Networking using an x64 PC with PF Sense open-source routing OS. Utilized a 4 LAN network card to segregate CCTV, home media systems, PC, and Wireless AP, with the built-in Ethernet port serving as WAN. Configured firewall, DNS, and more for enhanced network security and performance.

Decentralized Military Grade Encrypted Chat Application Using Blockchain |

Oct 2022

- Blockchain, Ethereum Crypto Network, Solidity, Python, Database, Html/CSS, JavaScript, jQuery, React Native
- [FYP] Designed a Decentralized Military-Grade Encrypted Chat App using Blockchain technology. Enhanced security by storing user data in encrypted blocks connected in a decentralized network. Employed AES- 256 encryption and blockchain tamper resistance for robust data protection. Technologies: Blockchain, Solidity, Python, React Native.

Home NAS + Media Server | *TrueNas OS, Linux, Docker, Networking, VM*

November 2023

- Implemented a comprehensive Home NAS, Media Server, and Home Assistant system using an x64 PC. Installed TrueNAS OS with a RAID5 configuration utilizing four drives for efficient data storage. Configured the NAS for both backup and network storage purposes. Additionally, set up a media server for seamless local content streaming and integrated Home Assistant for NVR setup using Frigate.

USB Rubber Ducky+Wifi Ducky Using OpenSource code and Micro-controllers | *C/C++, Ardunio, Circuit Designing*

june 2022

- DIY Hardware Tool act as HID device to inject keystrokes into System. By programming and using micro-controllers, I was able to design my own circuit board and combine wifi ducky and rubber ducky into same device and adding additional features into it.

Smart Home Assistant Using Micro-controllers and connected with Google Home App | *Ardunio, C/C++, WebServices*

April 2021

- DIY project programmed and connected with home network for controlling room's lights and fan using Google Home and Google assistant through Smartphone.