

Kavy Upadhyay

📍 Singapore ✉ upadhyaykavy@gmail.com ☎ (+65) 80223289 🌐 in/kavy-upadhyay-036928209 🌐 https://kavy.me

SUMMARY

A self-motivated, reliable team player, well-versed in logical and critical thinking skills and able to approach problems strategically and efficiently. In a continuous mode of learning and developing new skills to keep up with the changes in this constantly evolving world. Great at time management and communicating helping facilitate a productive and collaborative work environment.

CERTIFICATIONS

HarvardX CS50's Introduction to Cybersecurity and IBM Cybersecurity Basics

edX · 2023

· Completion of these courses provided a strong foundation in cybersecurity fundamentals. Key skills include defining cybersecurity concepts and terminology, implementing penetration testing and cryptography, and utilizing firewalls effectively. Proficient in understanding and mitigating social engineering attacks, applying the CIA triad principles, and recognizing various cybersecurity attack models. Equipped with knowledge of security tools, such as antivirus software and digital forensics, and adept at critical thinking for incident response and IT governance. Additionally, experienced in ethical hacking, multi-factor authentication, encryption techniques, and secure software practices.

EDUCATION

Bachelor of Quantum Technology

Aalto University · Helsinki, Finland · 2027

International Baccalaureate Diploma

One World International School · Singapore · 2023

· Graduated top of the class; Performed well under pressure with the hardest subjects the course has to offer (Higher Level Stem Subjects)

EXPERIENCE

Intern

Nuberg Engineering Ltd.

March 2022 - April 2022, Noida, Uttar Pradesh, India

- Helped manage business operations and customer relations using the SAP Enterprise Resource Planning software with a team of professionals.
- Assisted them with applying a new inventory management system, contributing to data analysis and quality assurance tasks yielding up to 20% greater efficiency.
- Collaborated with senior engineers to oversee and conduct comprehensive testing of redundancy systems safeguarding critical client and company data.

Associate

Kiya.ai

December 2023 - December 2023, SG, Singapore

- Presented technical facets of products at the Singapore Fintech Festival, streamlining client onboarding for the sales team.
- Designed a sophisticated sales pipeline, overseeing the management of 350+ potential new clients to empower the sales team in their strategic outreach efforts.

Intern

Fountain Technologies Pte. Ltd

June 2022 - August 2022, SG, Singapore

- Worked under system administrators managing Debian-based company servers to help conduct preliminary application testing and deployment.
- Developed fundamental skills in application deployments on UNIX systems encompassing basic shell scripting for process automation, use of git for version control, management of packages, dependencies, and their versions, oversight of processes and resource utilization for optimized performance.

Ambassador

Bone Marrow Donor Program

November 2021 - Present, SG, Singapore

- Volunteer work as an Ambassador in the form of spreading awareness and registering donors for Singapore's only register of volunteer bone marrow donors.
- Orchestrated impactful drives and presentations alongside fellow volunteers at key locations, delivering compelling messages to audiences of up to 500 individuals.
- Effectively facilitated the registration of over 800 donors during my tenure, demonstrating a proactive and results-driven approach to promoting the cause.

PROJECTS

System Administrator

Self · September 2021 - Present

- Independently configured and administrated an Oracle Cloud instance on a Debian-based VM for hosting websites, automation tools, VPNs, DBs, and AI apps with an uptime of 650+ days.

Drez (Chess)

Self · <https://github.com/ItsSypher/drez> · January 2022 - February 2022

- Developed a fully functional chess game playable through a terminal user interface, implemented entirely from scratch using the C language.
- Successfully contributed to project completion by implementing effective code modularization in collaboration with my project team, ensuring seamless integration of individual components.

Zoom-Whatsapp-Adhesive

Self · <https://github.com/ItsSypher/zoom-whatsapp-adhesive> · November 2020 - December 2021

- Created a novel Python app to make student lives easier during the COVID-19 pandemic. The app extracts Zoom meeting links shared for online classes through WhatsApp and opens them automatically at the designated meeting time.
- Leveraged effective collaboration and leadership skills, ensuring timely programming and completion of the project ahead of the school year for release among a class of 50+ students.

FileMove

Self · <https://github.com/ItsSypher/FileMove> · October 2021 - November 2021

- Developed a Python automation script for systematically moving and organizing files according to subject, file type, and date, streamlining the management of school assignments.

Project Eat Better

Self-Founded · September 2021 - December 2021

- Organised and led a self-initiated food drive called "Project Eat Better" which aimed to collect nonperishable food items from the community using campaigns and donate them all to a non-profit for distribution among those in need.
- Successfully collected and donated over 800+ kgs of non-perishable food items to those in need through various food kitchens.

Portfolio Website

Self · <https://kavy.me> · March 2024 - April 2024

- Developed and designed a professional portfolio website (<https://kavy.me>) using HTML, CSS, and JavaScript.
- Implemented version control using Git for effective project testing, deployment and management.
- Deployed the website on a LEMP (Linux, Nginx, MySQL, PHP) stack on the DigitalOcean cloud server, ensuring secure and efficient hosting and management of the web application.

SKILLS

Java/Python 3.x/HTML/Javascript/C along with experience in the following broad domains: Networking, IOT Arduino Robotics, Web Development, System Administration and Monitoring, Common Cybersecurity Practices, and Cloud Networking.