

Kavy Upadhyay

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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

edX · 2023

- Completion of this course comes with surface-level knowledge of the following: hacking, cracking, social engineering, phishing attacks, passcodes, passwords, SSO, brute-force attacks, dictionary attacks, biometrics, multi-factor authentication, password managers, ethical hacking, (distributed) denial-of-service attacks, viruses, worms, botnets, SQL injection attacks, port-scanning, proxies, firewalls, automatic updates, closed-source, open-source software, buffer-overflow attacks, secure deletion, hashing, salting, secret-key, public-key encryption, digital signatures, full-disk encryption, ransomware, cookies, sessions, incognito mode, anonymization, de-identification, verification, operating systems, app stores.

EDUCATION

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)

SAT Suite of Assessments

CollegeBoard · 2023 · Score: 1510/1600

- Placed among the top 98th percentile in a pool of 5.2M test takers internationally.

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 in substantially 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.

Lego Replay

Self-Founded · September 2021 – September 2022

- Led a self-initiated project for collecting donated Lego toys while instilling values of generosity in young kids. It helped reduced environmental impact of used toys by lessening landfill waste from used legos while also providing toys for less fortunate children, promoting social welfare.

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.

SKILLS

Surface-level knowledge of Java/Python 3.x/HTML/Javascript/C Language

Basic Knowledge and experience in the following broad domains: Networking, IOT Arduino Robotics, Web Development, System Administration and Monitoring, Common Cybersecurity Practices, and Cloud Networking.