

ANAS ALBAKRI

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Diligent and detail-oriented Information Technology student with a progressive interest in troubleshooting networks and designing solutions. Seeking available positions related to network engineering. Aspiring to positively impact the organization's corporate objectives and achieve a personal benefit which contributes to the organization.

Available to start working from September 2023.

EDUCATIONAL BACKGROUND

Universiti Teknologi PETRONAS (UTP), Perak

Foundation of Engineering and Geoscience
Electrical & Electronics Engineering

CGPA: 2.85

(May 2019 – Apr 2020)

Bachelor of Information Technology (Honours)

Majoring in Cyber Security with Corporate Management

Latest GPA: 3.04, CGPA: 3.46

(May 2020 – Aug 2023)

WORKING EXPERIENCE

Malaysian Communications and Multimedia Commission (MCMC), Selangor

Internship Trainee

(Jan 2022 – Aug 2022)

- Stated in the Enterprise Information Systems Department (EISD) and Managed Network Services Department (MNSD), assisting internal organization software and networking needs.
- Assisted system revamping processes which include sampling webpage interface designs of multiple colour schemes (HTML, CSS, JavaScript) and process flow designs of new software.
- Performed daily/weekly documentation of server backups, server performance, network traffic logs, as well as security measures of the MCMC network infrastructure.
- Assisted in tape job extractions from MCMC's data centre, overnight patching activities and stock take of IT assets in MCMC's inventory, which included assets from 22 state/branch/headquarters' offices.
- Participated in departmental meetings, business agendas, celebratory occasions, career workshops such as a Microsoft Power Programme hackathon and a Professional Network Security Penetration Testing training course.
- *Student Industrial Project* – Digitalized MCMC licensees' (both of communications and postal markets) anti-competitive complaint forms on the corporate website, in accordance to the SDLC. Performed code debugging and server provisioning, which comprises of analysing traffic logs, system infrastructure as well as performance overall before deployment stage.

AWARDS & CERTIFICATIONS

(ISC)²	Certified in Cybersecurity (CC) – 1M	<i>Exam Oct 2023*</i>
UTP	Dean's List Award for Foundation Semester 3	(Jun 2020)
	Dean's List Award for Undergraduate Semester(s) 1, 2, 5	(2020 – 2021)
	Bronze Recipient, UTP Brand Advocate Programme	(Dec 2019)
MCMC	Best Visionary Concept (Request System Application) – Microsoft Power Platform Hackathon	(May 2022)
	3 rd Place in the Capture the Flag (CTF) Scoreboard – Professional Network Security Penetration Testing Training Course	(Jul 2022)

SKILLS

Language	: English (Fluent), Bahasa Melayu (Native)
Programming	: Bash, PowerShell, Python, C/C++, CSS, HTML, JavaScript, PHP, R Language, SQL
Software	: Cisco Packet Tracer, Huawei eNSP, Wireshark, Kali Linux, VirtualBox, Arduino, Adobe Premiere Pro, Adobe Photoshop, Canva, OBS Studio, Microsoft 365, Microsoft Power Apps, Microsoft SharePoint, Live SQL, phpMyAdmin, XAMPP, GitHub, ProjectLibre
Others	: Network Simulation, Digital Forensics, Software Engineering, DevOps, Database Management, Graphic/Video Editing, Digital Marketing

RESEARCH PROJECTS

Residential Village (RV) Room Accommodation System

- Final Year Project based on developing a software system using Power Apps, which encompasses room accommodation booking of available hostels for UTP on-campus students.

Mall Services Mobile Application (Mall-E)

- Project Manager for Technopreneurship Team Project which was based on the development of a directory-based software system inside and outside shopping malls. Executive, marketing, financial, and technological aspects were heavily focused to enhance the project delivery.

Company-Based Network Infrastructure (Simulation)

- Developed the network infrastructure of small local company Fam Fries Kitchen Sdn Bhd for Computer Networking subject, implementing DHCP and RIP. Analyzed its technological resources using various tools and further verified network connections using Wireshark.
- Developed the network infrastructure of a whole enterprise for Network Design & Architecture subject, implementing DHCP, VLANs, NAC and ASA Firewalls.
- Developed the network infrastructure of a multi-department firm for Information Assurance and Security project, implementing router passwords, ASA firewalls and NetFlow.

Online Bulletin Board (Socket Programming using Python)

- Developed a client and server program in Python, which allows registered users to post messages for others to view. Ran the program on localhost and analyzed communication packets using Wireshark.

AbeCafé App (Web-based Ordering System)

- Developed a web-based coffee ordering system in HTML, CSS & JS. System server enquires customer information, selection of drink(s) and delivery information from user, which outputs the order details of the respective session from the PHP database server.

Frequency Hopping Spread Spectrum (FHSS) Graphing / Cinema Ticket Booking System

- Developed a FHSS plotting program using C++. System enquires 20 patterns of 2-bits for the PN sequence and 10 patterns of 2-bits for binary data, all as input, which then plots a figurative graph of FHSS as output using Windows BGI.
- Developed a cinema ticket booking system using C++, which prompts user input to book any of 28 available seats, as it reserves the booked seats as occupied, making others available for booking. The cinema seating plan is shown in a matrix form before and after receiving user input.

EXTRACURRICULAR INVOLVEMENT

TECHPOD (MPU4 Community Engagement Project)

(Jun 2021 – Nov 2021)

- Committee member of Media & Publication, involved in managing social media platforms, formation of posting templates, designing digital posters and livestreaming the main virtual event of 554 participants.

E-UTP Super Sports (E-UTPSS) 2021 / UTP Super Sports (UTPSS) 2022

(Q4 2021 / Q4 2022)

- Contributed as gamemaster for Pokémon GO in the 2021 e-sports tournament. Students representing their programme and UTP staff take part in a tournament bracket to represent their contingent.
- Participated in the 2022 sports tournament to represent Python (Faculty of Sciences and Information Technology) in the Tug Of War (Male) category, securing 2nd place amongst 8 contingents.

Down To Earth (DTE) Community Service

(Jan 2020 – Mar 2020)

- Project Director of the CSR themed “Underprivileged Outreach”, where 17 underprivileged students from SMK Sultan Muzafar Shah 1, Perak were given assistance, aid and education, in terms of monetary support for their education and basic daily needs.

UTPHost (Student Body under UTP Corporate Communications Dept)

(May 2019 – Feb 2021)

- Active member of the SB up until Head of Department position, UTPHost assists the UTP corporate communications department in corporate events, CSR activities and campus visits. SB members are exposed to corporate/PR protocols, university/campus knowledge and soft skills development, like emceeing, intercommunication and social skills.

REFERENCES

MANDEEP SINGH

Graduating Class of 2023

Bachelor of Information Technology (Hons)
Computer Information Sciences Department
Faculty of Sciences and Information Technology
<https://www.linkedin.com/in/mandeepsingh585/>

MARYANA TAHIR

Student Industrial Training (SIT) Supervisor

Head, Enterprise Information Systems Department
Strategic Information Technology Division
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