



# SHARVINTERAAN MOGAN

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## PERSONAL INFORMATION

Age: 23 years old

Gender: Male

Race: Indian

Date of Birth: 5 August 2000

Nationality: Malaysian

Marital Status: Single

## OBJECTIVES

I am seeking a full-time position as a Full Stack Developer, where I can apply and further develop my strong technical skills, problem-solving abilities, and leadership aptitude in the field of Computer Science. My goal is to contribute to a dynamic team and take on challenging projects that drive innovation and technological advancement within the company. I am available to start after February 20<sup>th</sup>, 2024.

## EDUCATIONAL BACKGROUND

### Universiti Malaysia Pahang

Diploma in Computer Science, June 2018

Dean's Lister for 4 semesters

CPA of 3.72

Faculty of Computing

### Universiti Malaysia Pahang

Bachelor of Computer Science (Software Engineering) With Honours

Dean's Lister for 5 semesters

Current CPA: 3.74

Faculty of Computing

## PROJECTS

### Entity Resolution System using Java

Final Year Project Diploma, Universiti Malaysia Pahang (UMP).

- Entity Resolution is a system build using Java code to read data from excel files and remove duplication of data to maintain the quality of data. Data clustering process occurs to group the data together according to their categories.
- The scope of the project is focused on students' Industrial Training data in UMP.

### **Gamified Discord bot in Python**

- Discord based gamified bot was built using Discord.py library.
- Integrated with third-party Web3 payment API.
- Built with MongoDB database.

### **Virtual Reality Showroom Website about Share Investment and Bursa Malaysia**

- Built using A-Frame open-sourced web framework for virtual reality experiences.
- Built for a Hackathon organized by Bursa Malaysia to educate people about share investment and Bursa Malaysia.

### **Web Developments**

- Built several websites using HTML, CSS, PHP, JavaScript and SQL for organization and online clients.
- Built a WordPress website for Malaysian Indian Youth Council and managed for a year.
- Built a prototype on AI for Kidz website to educate children on the concept of Artificial Intelligence.
- Built multiple dynamic websites using Laravel framework.

### **Smart Advertisement using deep learning in computer vision in Python**

Final Year Project Degree, Universiti Malaysia Pahang (UMP).

- The system is a smart advertisement bot to recognize the person's age and gender who approaches it and automatically prompt advertisements that are related to that specific age and gender group using deep learning technology and computer vision.
- Completed with research thesis and the development (MTCNN and TensorFlow).
- Submitted and approved by for International Conference on Software Engineering & Computer Systems 2023 (ICSECS).

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## **WORK EXPERIENCE**

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- **VR HUB Sdn Bhd**

A-01, 02, Jln KLJ 5, Taman Kota Laksamana, 75200 Kota Laksamana, Melaka.

Internship

September - February 2021

- **Deloitte Consulting Technology Solutions Sdn. Bhd.**

Menara LGB, Level 16, 1, Jalan Wan Kadir, Taman Tun Dr Ismail, 60000 Kuala Lumpur.

Technology Intern

August – January 2024

- **Developer of a Solana-Based Community**
- **Assisted Department of Statistics Malaysia (DOSM)**
- **Worked at Voice of Data**
- **Full Stack Developer at Chatcoach.ai**

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## SKILLS

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### Leadership skills

- Head of project for the Fertigation Farming Management in Kuala Pahang, Pahang.
- Head of Team Building program with UMP scholars in Pulau Perhentian.
- Head of Developer Team in Solana-Based Community in Discord.

### Problem Solving skills

- Fixed some bugs in VIVE VR headset and sensors in VR HUB Melaka during internship.
- Created some Condition Statements for data clustering in Java for Final Year Project.

### Technical skills

- Completed and passed Cisco Networking Skill program during Diploma.
- Proficient in some types of programming languages such as C Programming, Java, HTML, PHP, MySQL, CSS, JavaScript, and Python.
  - Developed websites using Laravel Framework using MVC Model, Amazon S3, RDS and EC2 services.
  - Developed VR-based web application using A-Frame for Three.js to create 3D and WebVR scenes.
  - Developed AR-based mobile application using Unity.
  - Developed complete Web3 NFT minting website from creating and uploading image and metadata to Arweave, configuration of Candy Machine, Candy Machine Deployment, deployment verification and finally NFT minting.
  - Developed Python projects such as bot automation for web scrapping, discord bot for gamifications, automate process management and project revenue generation using Django.

- Assisted Department of Statistics Malaysia (DOSM) to manage and automate their Excel data using Python.
  - i. Data Cleaning, Formatting and Transformation of multiple excel files and sheets.
  - ii. Data Analysis using Pandas, NumPy, SciPy, Matplotlib, TensorFlow and Tableau. (I employed TensorFlow to enhance the depth and accuracy of the analysis, particularly in scenarios where traditional methods fell short.)
  - iii. Data Integration of multiple datasets and importing and exporting data to and from different formats.
  - iv. Data Automation for data management processes.
- Developed and deployed Flask applications, showcasing proficiency in web development and API integration.
- Applied generative AI techniques using OpenAI and Palm API to enhance the functionality and intelligence of applications.
- Leveraged machine learning and artificial intelligence technologies to create innovative solutions, demonstrating a deep understanding of AI principles and methodologies.
- Developed a Smart Product Recommendation Python system using deep learning technologies such as Multi-Task Cascaded Convolutional Networks (MTCNN) and age and gender classifier using Keras.
- Developing Identity and Access Management (IAM) using Spring Boot, Keycloak for authentication, and PostgreSQL, creation of secure and efficient APIs.
- Developing a Full Stack application for an AI-driven E-Learning solution using Django, AWS Transcribe, and Generative AI.

## ACHIEVEMENTS

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- Received full scholarship for diploma in Computer Science from UMP MyGift.
- Dean lister in all semesters during Diploma and Degree.
- Passed the CISCO Examination.
- Received silver medal for FYPRO-COM Carnival.
- Chosen as Top 10 Project for Final Year Project presentation.
- Presented and published Product Recommendation using Deep Learning in Computer Vision thesis in International Conference on Software Engineering & Computer Systems 2023 (ICSECS).

## REFEREES

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| 1. Ashok Kumar Mogan<br>Innovation and Transformation Lead<br>Digi Telecommunications<br>ashok.kumar.mogan@gmail.com | 2. Dr. Siti Suhaila binti Abdul Hamid<br>Senior Lecturer<br>Universiti Malaysia Pahang<br>094315575<br>sitisuhaila@ump.edu.my |
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