



# 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).

## WORK EXPERIENCE

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### ■ Chatcoach.ai (Full-Stack Developer)

Selangor, Malaysia.

December 2023 – Present

- Lead in the design, development, and implementation of the AI-powered training & coaching website.
- Upgrade current application flaws and designs to meet the system's goals.
- Built User Onboarding, Dashboards & AI Audio-Visual Assessments
- Building AI-powered Training Needs Analysis (TNA) & Generative AI Content Creation
- Skills: Django, GPT-4, Generative AI, GPT-4, Large Language Models (LLM), AWS Service (S3, EC2, Transcribe, Route 53) & PostgreSQL

### ■ Deloitte Consulting (Technology Intern)

Kuala Lumpur, Malaysia.

August 2023 – January 2024

- Developed Identity and Access Management (IAM) using Spring Boot, Keycloak for authentication, and PostgreSQL, creation of secure and efficient APIs.
- Developed backend for the Web Authentication using Springboot Security and APIs.
- Recommended and consulted with higher management on the most appropriate IAM software to be integrated.
- Skills: React.js, Spring Boot, PostgreSQL, Git, Docker, Keyclock, Microservices & DevOps

### ■ Solana Web3 Community (Freelance – Lead Developer)

May 2022 – Mar 2023

- I developed few gamified Discord bot in Python using Discord.py library.
- I have also integrated with third-party Web3 payment API, MongoDB database and AWS Services (EC2 & S3).
- I also 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.
- Skills: Web3, TypeScript, Non-Fungible Tokens (NFTs), Discord.py, MongoDB, AWS Service (S3, EC2) & Payment API

## ■ Department of Statistics Malaysia (DOSM) (Freelance – Data Engineer)

Dec 2021 – Feb 2022

- Data Cleaning, Formatting and Transformation of multiple excel files and sheets.
- Data Analysis using Pandas, NumPy, SciPy, Matplotlib, TensorFlow and Tableau.
- Data Integration of multiple datasets and importing and exporting data to and from different formats.
- Data Automation for data management processes.
- Skills: Python, Flask, Matplotlib, TensorFlow, & Tableau

## ■ Voice of Data (Freelance – Data Engineer)

Sept 2021 – Nov 2021

- I worked as a freelance Data Engineer and was in charge of web scrapping, data analysis, and sentiment analysis of available data, sharing the results on a dedicated Facebook page for the public.
- Skills: Python, Selenium, Tableau & Google Data Studio

## ■ Advert-I (Part-time – Software Developer)

Melaka, Malaysia

Jun 2021 – Aug 2021

- I assisted in the development of an AI advertisement bot that uses a face recognition feature to display ads using a deep learning and computer vision approach (Multi-Task Cascaded Convolutional Neural Networks).
- I also assigned to meet with clients and gather requirements using the Software Development Life Cycle.
- Skills: Deep Learning, MTCNN, Keras, Computer Vision & Python (Django & Flask)

## ■ VR HUB Sdn Bhd (Internship)

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

September - February 2021

- I was instrumental in developing a website with interactive games and lessons to educate children on the burgeoning field of artificial intelligence.
- I also learned to communicate with customers and marketing techniques which made the company achieve their sales target.
- Skills: Python, HTML, CSS, PHP, JavaScript, A-Frame (Virtual Reality Framework), Tableau & WordPress

## Other Experiences:

- 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.

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## 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               | 2. Dr. Siti Suhaila binti Abdul Hamid |
| Innovation and Transformation Lead | Senior Lecturer                       |
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