



# Sepehr Jokanian

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**Address:** Kuala Lumpur, Malaysia (Home)

## ● ABOUT ME

I am a recent Computer Science (AI) Graduate from Asia Pacific University of Technology & Innovation with a passion for AI/ML, Computer Vision, and NLP. My academic journey includes an award-winning Final Year Project

## ● EDUCATION AND TRAINING

09/2022 – 09/2025 Kuala Lumpur, Malaysia

**BACHELOR OF COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE)** Asia Pacific University of Technology & Innovation

**Level in EQF** EQF level 6

2012 – 2016 Mashhad, Iran

**DIPLOMA IN MATHEMATICS AND PHYSICS** Shahid Ayatollah Dastgheib High School

## ● PUBLICATIONS

2026

**Developing an artificial intelligence system for cyberbully detection and enhancing safety on online forums**

**Authors:** Jokanian, S., Alizade, S. | **Journal Name:** Manuscript under preparation for publication

2025

**Overcoming bushfires challenges via machine learning techniques and enhanced training data in Australia**

**Authors:** Jokanian, S., Esmaeil Zadeh, N. | **Journal Name:** Natural Hazards (Springer Nature)

2024

**Application of machine learning for the prediction and management of non-communicable diseases**

**Authors:** Jokanian, S. | **Journal Name:** Journal of Applied Technology and Innovation

**Link** [https://jati.sites.apiit.edu.my/wp-content/uploads/sites/11/2024/11/Volume8\\_Issue4\\_Paper5\\_2024\\_28-35.pdf](https://jati.sites.apiit.edu.my/wp-content/uploads/sites/11/2024/11/Volume8_Issue4_Paper5_2024_28-35.pdf)

## ● PROJECTS

2025

**Cyberbullying Detection System | Python, NLP, TensorFlow/PyTorch**

Cross-entropy loss and Adam optimizer; automated abusive language detection with 92% accuracy

2025

**SMS Spam Detection System | Python, Machine Learning**

TF-IDF feature extraction; Naive Bayes / SVM experiments and model selection; built end-to-end pipeline for SMS text cleaning

2025

**Handwriting Detection System | MATLAB**

Implemented image processing algorithms (pipeline and evaluated OCR performance) on handwritten samples

2025

### **Face Mask Detection Enhancement | AI/ML (Computer Vision)**

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Enhanced a real-time face mask detection system (Convolutional Neural Networks and real-time inference optimizations)

2025

### **Car Price Prediction System | Python, AI**

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Developed regression-based models (linear reg, tree ensembles) and feature engineering to predict car prices

2024

### **Hostel Visitor System | Java EE, HTML, CSS, Servlets**

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Enterprise backend services with session management and role-based access; developed visitor registration, logging and reporting modules to streamline operations

2024

### **Language Learning App | Flutter (Dart)**

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Cross-platform UI, interactive lessons, quizzes and progress tracking on admin panel

2024

### **Data Factorization | R Programming**

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Applied PCA / SVD / NMF techniques for dimensionality reduction and factor analysis; implemented workflows to factorize large datasets and improve downstream processing

2023

### **E-Library Data Management System | SQL**

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Database design, normalization and complex query implementation; designed and implemented robust schema for efficient storage and retrieval of library data

2023

### **Develop Trivia Pursuit Card Game | C++**

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Game logic, scoring system and random question generation; implemented core gameplay mechanics and collaborated on UI/gameflow integration

## **WORK EXPERIENCE**

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### **AI DEVELOPER INTERN – APU CAREER CENTRE – 07/2024 – 11/2024 – KUALA LUMPUR, MALAYSIA**

Developed and implemented a chatbot for the websites to enhance user interaction and support.

## **LANGUAGE SKILLS**

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Mother tongue(s): **PERSIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## RECOMMENDATIONS

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**Shahab Alizadeh** Lecturer of Computing Faculty

Recommendation Letters Available Upon Request

Email [shahab.alizadeh@apu.edu.my](mailto:shahab.alizadeh@apu.edu.my)

**Zailan Arabee Abdul Salam** Senior Lecturer of Computing Faculty

Recommendation Letters Available Upon Request

Email [zailan@apu.edu.my](mailto:zailan@apu.edu.my)

## SKILLS

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### Programming Languages

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**Advanced:** Python, SQL, Machine Learning (Naive Bayes, SVM, Regression models), NLP (TF-IDF, Cross-entropy loss), Java.

**Intermediate:** C++, R Programming, MATLAB, Flutter (Dart), HTML/CSS, TensorFlow/PyTorch, Computer Vision (Convolutional Neural Networks).

### Core Technical Skills

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**AI/ML Expertise:** Neural Networks, Deep Learning, Computer Vision, Natural Language Processing (NLP), TensorFlow, PyTorch, Machine Learning

**Specialized Areas:** Generative AI, Large Language Models, Prompt Engineering, Computer Vision with Azure, Deep Learning for Healthcare

### Social skills and competences

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Good team-working abilities developed through collaborative academic projects.

Effective communication skills from presenting final year project and internship experiences.

### Organisational skills and competences

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Ability to prioritise tasks and meet deadlines, as shown in multiple 2025 AI/ML projects.