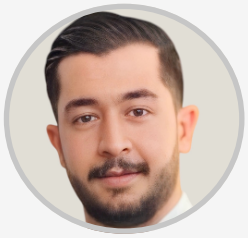
europass



# Sepehr Jokanian

**Date of birth:** 16/08/1999 | **Phone number:** (+60) 147564800 (Mobile) | **Email address:** sepehrjokanian99@gmail.com | **Website:** sepehrjo.github.io |

**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

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., Alizadeh, S. | **Journal Name**: Manuscript under preparation for publication

2025

### Overcoming bushfire challenges via machine learning techniques and enhanced training data in Australia

**Authors**: Jokanian, S., Esmaeil Zadeh, N. | **Journal Name**: Manuscript submitted to 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

## WORK EXPERIENCE

**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.

## 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)

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

2025

### Car Price Prediction System | Python, AI

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

2024

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

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)

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

2024

### Data Factorization | R Programming

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

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

2023

### Trivia Pursuit Card Game | C++

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

## LANGUAGE SKILLS

Mother tongue(s): **PERSIAN**

Other language(s):

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---|---|---|---|---|---|
| | Listening | Reading | Spoken production | Spoken interaction | |
| **ENGLISH** | B2 | B2 | B2 | B2 | B2 |

## SKILLS

### Technical skills

**Programming Languages**
- **Advanced:** Python, SQL, Java
- **Intermediate:** C++, R, MATLAB, Dart (Flutter), HTML/CSS

**ML / AI**
- **Machine Learning:** Naive Bayes, SVM, Regression
- **Frameworks:** TensorFlow, PyTorch
- Deep Learning**,** Neural Networks

**NLP**
- TF-IDF, Text Classification, Cross-Entropy Loss

**Computer Vision**
- CNNs (Convolutional Neural Networks)
- Azure Computer Vision

**Specialized Areas**
- Generative AI, Large Language Models (LLMs), Prompt Engineering
- Deep Learning for Healthcare

### Social skills and competences

- Good team-working abilities developed through collaborative academic projects.
- Effective communication skills from presenting final year project and internship experiences.

### Organisational skills and competences

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

## RECOMMENDATIONS

**Shahab Alizadeh** Lecturer of Computing Faculty

Recommendation Letters Available Upon Request

**Email** shahab.alizadeh@apu.edu.my

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

Recommendation Letters Available Upon Request

**Email** zailan@apu.edu.my