Sepehr Jokanian

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PERSONAL DETAILS

- Phone +60147564800
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EDUCATION

Bachelor of Computer Science (Artificial Intelligence)
Asia Pacific University of Technology & Innovation
Final Year Project- Developing an Artificial Intelligence System for Cyberbully Detection and Enhancing Safety on Online Forums- **Awarded A+**; selected to compete among the university's outstanding final-year projects. 2022-2025

Diploma in Mathematics and Physics
Shahid Ayatollah Dastgheib High School 2012-2016
CGPA: 3.80 (19.06/20)

ACADEMIC INTERESTS

- Neural Networks & Deep Learning
- Computer Vision
- Natural Language Processing (NLP)
- Generative AI and Large Language Models
- Prompt Engineering for AI Systems

PUBLICATIONS

Jokanian, S., & Alizade, S. (2026). Developing an artificial intelligence system for cyberbully detection and enhancing safety on online forums. Manuscript under preparation for publication.

Jokanian, S., & Sneha, J. A. (2024). Overcoming bushfires challenges via machine learning techniques and enhanced training data in Australia. *Australasian Journal of Information Systems (AJIS)*. Manuscript submitted for publication.

Jokanian, S. (2024). Application of machine learning for the prediction and management of non-communicable diseases. *Journal of Applied Technology and Innovation (JATI)*. *https://jati.sites.apiit.edu.my/files/2024/11/Volume8_Issue4_Paper5_2024_28-35.pdf*

WORK EXPERIENCES

AI Developer Intern
As an intern AI developer in the position of AI Developer, developed and implemented a chatbot for the Asia Pacific University Career Center, Alumni, and Cooperative Training websites to enhance user interaction and support.

ACADEMIC PROJECTS

- **Cyberbullying Detection System | Python, NLP, TensorFlow/PyTorch (Final Year Project) | 2025**

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

- **SMS Spam Detection System | Python, Machine Learning | 2025**

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

- **Handwriting Detection System | MATLAB | 2025**

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

- **Car Price Prediction System | Python, AI | 2025**

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

- **Face Mask Detection Enhancement | AI / ML (Computer Vision) | 2025**

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

- **Hostel Visitor System | Java EE, HTML, CSS, Servlets | 2024**

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

- **Data Factorization | R Programming | 2024**

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

- **Language Learning App | Flutter (Dart) | 2024**

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

- **E-Library Data Management System | SQL | 2023**

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

- **Develop Trivia Pursuit Card Game | C++ | 2023**

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

RELATED COURSES/PROGRAMMING SKILLS

UNDERGRADUATE

- Python Programming
- SQL
- C Programming
- C++ Programming
- CSS
- Flutter (Dart)
- Java
- R programming
- MATLAB
- HTML

SELF-LED COURSES

- Generative AI
- Deep Learning for Healthcare
- Research Proposal
- Computer Vision App with Azure
- Google Analytics

PTE SCORE

Listening	Speaking	Writing	Reading	Overall
65	**73**	**65**	**72**	**69**

PROFESSIONAL REFERENCES

- **Shahab Alizade**

Lecturer of Computing Faculty

- **Zailan Arabee Abdul Salam**

Senior Lecturer of Computing Faculty