



Nastaran Esmaeil Zadeh

Date of birth: 02/01/2001 | **Place of birth:** Iran | **Nationality:** Iranian | **Gender:** Female |

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Website: <https://nastaran-esz.github.io/NZ/> | **Address:** Kuala Lumpur, Malaysia (Home)

● ABOUT ME

Graduate computer scientist who has been working in practice in research-driven software development, AI-assisted systems, and intelligent web applications. Designed and implemented end-to-end systems and design on healthcare-related and business-oriented projects, such as a web-based insulin management system and analytical systems based on SEO.

Passion to study engineering in research, data modeling and system optimization with backup of academic research and publication oriented work. Creates a combination of technical, analytical and leadership background.

● EDUCATION AND TRAINING

2023 – 2026 Kuala Lumpur, Malaysia

BACHELOR OF COMPUTER SCIENCE (GENERAL) Asia Pacific University of Technology & Innovation

Field of study Information and Communication Technologies

● PUBLICATIONS

2025

Overcoming bushfires 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)

2026

iInsuSmart: A Web-Based System for Optimizing Insulin Dispensing and Monitoring for Pharmacies

Authors: Esmaeil Zadeh, N | **Journal Name:** Manuscript under preparation for publication

● WORK EXPERIENCE

PHARMACY CLERK – 2021 – 2022

- Ensuring accuracy in filing, paperwork, and data entry
- Administrative Tasks

WEB DEVELOPMENT INTERN – 01/2025 – 05/2025 – KUALA LUMPUR, MALAYSIA

- Developed and maintained website pages using Drupal and WordPress
- Designed and developed the SEO Consultants service page for Rose Attractions (roseattractions.com/our-services/seo-consultants)
- Contributed to the development and content structuring of the Rose Attractions homepage
- Built responsive landing pages with focus on UI/UX and performance
- Set up and configured Google Analytics for website performance tracking
- Performed on-page SEO optimizations including metadata, content structure, and usability

- Conducted keyword research and competitor analysis to support SEO strategies
- Collaborated with the marketing team to enhance overall digital presence

● VOLUNTEERING

Kuala Lumpur-Malaysia

President — Iranian Cultural Club (ICC), APU

- Founder and first President of the Iranian Cultural Club at APU.
- Lead cultural events, manage team activities, and represent Iranian students on campus.
- Responsible for planning, organizing, and executing community-focused cultural programs.

Kuala Lumpur, Malaysia

Food Sorter — The Lost Food Project

- Sorted donated vegetables and produce, ensuring only fresh and safe items were prepared for distribution to partner charities.
- Contributed to reducing food waste and supporting local communities in need.

● PROJECTS

InsuSmart – Web-Based Insulin Management System (FYP)

- Designed and developed a full-stack web-based insulin management system
- Implemented inventory control, low-stock and expiry monitoring
- Designed database schema and role-based access control (RBAC)
- Built a responsive, user-centric UI/UX
- Applied AI-assisted development and conducted system testing

SEO Consultancy Website Enhancement

- HTML, CSS, Drupal, UI/UX improvements
- Developed multiple landing pages and content sections for RA Marketing's website.
- Improved page responsiveness and layout consistency using HTML/CSS.
- Created and published content through Drupal CMS.

Deep Learning Based Sentiment Analysis Project

- Developed an end to end sentiment analysis system for social media text classification
- Designed and trained LSTM based deep learning models for natural language processing
- Performed data preprocessing, model optimization, and evaluation using standard classification metrics

● RECOMMENDATIONS

Shahab Alizadeh Senior Lecturer

References available upon request

Email shahab.alizadeh@apu.edu.my

Vijayaraj C. Vijayasingam Senior Lecturer

References available upon request

Email vijayaraj@apu.edu.my

● SKILLS

Technical Skills

- Full-Stack Web Development
- Python & MySQL
- AI-Assisted Development & Prompt
- Engineering
- Machine Learning (Academic Level)

- UI/UX Design & Responsive Web
- Design

Soft Skills

- Research Writing & Analytical Thinking
- Problem Solving & Critical Thinking
- Leadership & Team Collaboration