Nastaran Esmaeilzadeh

Date of birth: 03/01/2000 | **Place of birth:** Iran | **Nationality:** Iranian | **Gender:** Female |

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Address: Kuala Lumpur, Malaysia (Home)

ABOUT ME

Computer Science graduate with practical experience in full-stack web development, AI-assisted systems, and UI/UX design. Developed real-world academic and internship projects, including a web-based insulin management system (FYP) and SEO-focused business websites. Strong problem-solving skills with proven leadership experience as founder and president of a university cultural club.

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

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

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