SHAYAN KAZEMI TEHRANI

Machine Learning Software Engineer

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○ shayanthrn

SUMMARY

As an experienced professional with over 4 years of experience as a Senior Software Engineer, I have successfully designed and developed a doctors' appointment booking system and played a key role in designing and developing the IDmelon SSO system. My expertise lies in Distributed and Cloud-Based Software Engineering and Machine Learning reflecting my commitment to delivering innovative solutions in the fields.

EXPERIENCE

Web Chair

The Canadian Society of Information Theory

📅 2023   📍 Montreal, Canada

- Design, Development and Deployment of the 31st Biennial Symposium on Communications 2023 (BSC 2023) conference.

Software Engineer

IDmelon Technologies Inc.

📅 2022-2023   📍 Vancouver, Canada

- Design and develop a robust SSO server for IDmelon and host it on Google Cloud with more than 500 active users.
- Played a key role in enhancing the software architecture, ensuring scalability and maintainability for the IDmelon SSO system.
- Utilized React for frontend development, improving the user interface and overall user experience.
- Contributed to CI/CD pipelines to streamline the development and deployment processes.
- Collaborated in Scrum teams for streamlined project management
- Implemented microservices architecture to create a flexible and modular system.
- Designed, developed, and maintained RESTful APIs, connecting the SSO server with 10+ applications and services.
- Utilized Docker for containerization to simplify deployment and scaling of the application.

Senior Software Engineer

Vira Co.

📅 2019-2021   📍 Tehran, Iran

- Integrated messaging and payment APIs to optimize system functionality and payment processing.
- Managed server operations, optimizing performance, reliability, and availability to meet project requirements.
- Released project source code on GitHub, fostering community collaboration and transparency.

PROJECTS

Food Intake Monitoring System

django, python, kotlin, pytorch, numpy, computer vision

- Developed an Android application for food intake monitoring, employing advanced computer vision techniques.

Webfolio

javascript, python, django, linkedin api, chatgpt api, ,html5, css, bootstrap, jquery

- Designed and developed an intelligent portfolio website creation system that leverages data-driven recommendations.
- Integrated technologies such as LinkedIn API, ChatGPT API.

Any-to-Many Voice Conversion Application

audio processing, deep learning, gan, ltsm,mongodb, express, node, socket.io

- Developed an innovative Voice Conversion Application as the focus of my BS thesis, utilizing advanced machine learning models.
- Employed a robust technology stack and audio processing techniques to create a comprehensive voice conversion solution.

NeuroEvolutionGamer

genetic algorithm, deep learning, pygame

- AI agent learning to play mini game (something like floppy bird) using neural network and genetic algorithm to train neural network

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UbuntuOS Portfolio

javascript, nextjs, tailwindcss

- Created a distinctive personal portfolio website with an Ubuntu 20.04 theme.

GCMC, Movie Recommendation System

pytorch, numpy, dgl

- Implemented GCMC(Graph Convolution Matrix Completion) by DGL(DEEP GRAPH LIBRARY) to recommend movies based on user ratings

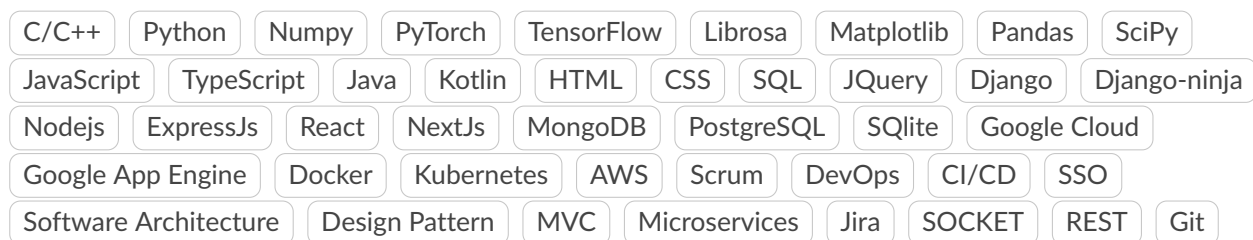# EDUCATION

MASc. Computer Engineering

Concordia University

📅 2022-Present

BSc. Computer Engineering

Amirkabir University of Technology (Tehran Polytechnic)

📅 2017-2022

SKILLS

| C/C++ | Python | Numpy | PyTorch | TensorFlow | Librosa | Matplotlib | Pandas | SciPy |

| JavaScript | TypeScript | Java | Kotlin | HTML | CSS | SQL | JQuery | Django | Django-ninja |

| Nodejs | ExpressJs | React | NextJs | MongoDB | PostgreSQL | SQlite | Google Cloud |

| Google App Engine | Docker | Kubernetes | AWS | Scrum | DevOps | CI/CD | SSO |

| Software Architecture | Design Pattern | MVC | Microservices | Jira | SOCKET | REST | Git |

LANGUAGES

English(IELTS 7), French(A1), Persian(Farsi)