

Amin Hassanzadeh Moghaddam



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Lappeenranta – Finland

Education

Shiraz University - Bachelor's degree, Computer Engineering

Sep 2017 - Sep 2022 (Shiraz – Iran)

LUT - Master's degree, Software Engineering and Digital Transformation

Aug 2023 – Present (Lappeenranta – Finland)

Skills

Programming Languages: Python, Java, Dart, C, C++, C#, SQL, TypeScript, Java Script, HTML5 / CSS, Assembly Language

Platforms and Libraries: Flutter, Angular, Django, Nginx, Socket, Tesseract OCR, Pytesseract, SQLite, Firebase, Cloud Firestore,

Fields: Software Development, User Interface Design, Algorithm Design, Database Design, Program Development, Computer Science, User Experience (UX), Artificial Intelligence (AI), Machine Learning, Data Structures, Signal Processing, Operating Systems, Computer Architecture, Compilers, Graph Theory, Algorithm Development, Algorithm Optimization

Tools: Microsoft Office, Adobe Illustrator, Adobe XD, Figma, Postman API, WooCommerce, WordPress

Others: Professional piano player for almost 16 years and Performing 3 concerts in three different cities and also got the fourth place in national art competitions, Professional handball player for 4 years in regional teams

Voluntary: Music producer of 12th Break Time in University (BTIU) festival's podcasts, Security guard of 13th Break Time in University (BTIU), Organizer of 'Moozigh' workshop which was related to music's consciousness

Work Experience

Bahar Afagh Shargh – Full Stack Developer (Remote – Currently Working)

Jun 2022 – Present (Tehran)

Medis Holding - Angular Developer (On Site)

Apr 2022 – Mar 2023 (Shiraz)

Map30 - Flutter Developer (Remote)

Apr - May 2022 (Shiraz)

Artin Analysis LTD - Flutter Developer (Remote)

Mar 2021 - Aug 2021 (Shiraz)

Yadak Pro - Flutter Developer (Remote)

Sep 2021 - Nov 2021 (Tehran)

Yadak Pro - Wordpress Developer (Remote)

Aug 2020 - Jan 2021 (Tehran)

Projects

PSC2CODE - Python - Developer

- Using Tesseract OCR and Pytesseract
- Fetching Java codes' text from some special videos on Coursera website
- Simple GUI with Python
- Windows and Unix output
- Get help from PSC2CODE paper's train data and additional information

Map30 - Flutter - Developer

- Implementing UI
- Using OpenStreetMap and Neshan APIs
- Using MVC architecture
- Using Bloc state management

Rapidrops - Flutter - Developer

- Implementing UI
- Work with Google firebase features
- Work with Google APIs
- Work with GRPC

Mini Spotify App - Flutter - Creator

- Designing UI
- Design databases
- Work with SQLite
- Implementing

Yadak Pro App - Flutter - Creator

- Design and handle databases
- Some query with php
- Connection of app to the database
- UI design and implementation

Multi Destination App - Flutter - Creator

- Find an appropriate algorithm to navigate and estimate the ways and roads to reach the given goals
- Send multiple requests to Mapbox API to weigh the graph with the times which has to take to navigate between destinations.
- Implementing Brute-force algorithm
- Designing and implementing UI

fEMR - Java - Developer

- Using java for implementation
- Work with Scala sbt in IntelliJ
- Work with HTML and CSS to implement the UI
- Member of software engineering team
- Having agility and software engineering principles at this project

Telegram Bot (Digikala website registration) - Python - Creator

- Web scraping with beautifulsoup library
- Work with Telegram API
- Building packet requests to send to Digikala and register the user

[Graph Coloring](#) - Python - Creator

- Using Misra & Gries 1992 paper's algorithm

Tic Tac Toe Game - Python - Creator

- Using minimax AI algorithm

N-Queens Problem - Python - Creator

- Using min-conflict AI algorithm

[Simple Data Analysis](#) - Python - Creator

- Using linear regression (machine learning algorithm)

Inserting Data of Bama Website to an Excel File - Python - Creator

- Web scraping with beautifulsoup library

Verilog Syntax Analyzer - Python – Creator

[MIPS CPU Design](#) - Python – Creator

Fast Fourier Transform (FFT) - Python – Creator

[Socket Programming and Terminal Chatting](#) - C – Creator

[Huffman Compression Algorithm](#) - C – Creator

[Number to Word Compiler](#) - C – Creator

[SJF and RR \(OS Algorithms\)](#) - C++ - Creator

State Machines - C# - Creator

Kernel and mini OS - Assembly – Creator

MIPS CPU Design - Verilog – Creator

Yadak Pro Website - WordPress – Creator