# Mohammad Javadian Farzaneh

*Prospective PhD Student*

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## ⓘ Research Interest

- Computer Vision, Image Processing
- SLAM, Visual SLAM, Robotics
- Machine Learning

## 🎓 Education

### University of Isfahan
*Msc in Artificial Inteligence*

Sep 2019 - Jan 2023
*Isfahan, Iran*

**GPA :** 3.65 - 32/32 Unit

**Thesis :** Implementation of a Blind navigation method in outdoors/indoors areas (GPA: 4 out 4)

### Urmia University
*BSc in Comuter Engineering*

Sep 2014 - Jan 2019
*Urmia, Iran*

**GPA :** 3.02 - 142/142 Unit

**Thesis :** Implementing Backgammon with the ability for player to play with A.I. on android devices (GPA 4 out 4)

## 📑 Publications

**Implementation of a Blind navigation method in outdoors/indoors areas**

arXiv preprint arXiv:2212.12185.

## 📑 Related Courses

### AI and Information Retrieval

- Artificial intelligence and Expert systems (16/20)
- Fund.of data mining (17.5/20)
- Neural Networks (18.2/20)
- Statistical pattern recognition (18.65/20)

### Computer Vision

- Digital image processing (17.5/20)
- Machine vision (16.7/20)

## ⚗ Research and Study Projects

### Multi-Target Deep-Learning Sound Classification

The main goal of this project is to classify sounds using CNN. The main idea is to find MFCC of sounds and train the network using them

### Implementation of a Blind navigation method in outdoors/indoors areas

Implemented a blind navigation system with the help of ORB-SLAM2 and YOLOv4 library compatible with monocular camera. // sample video on :https://youtu.be/Eusqo8GVkwY

## 🏛 Teaching Experience

**Machine Vision**  University of Isfahan, Dr Mahvash in Fall 2022

**Microprocessor and Assembly language**  University of Isfahan, Dr Mahvash in spring 2022

**Advanced Programming**  Urmia University, Dr Shoja in fall 2019

## ⚙ Skills

**Programming Languages**  C/C++, C#, Java, Kotlin, Matlab, Python

**Technology, Framework and Libraries**  OpenCv, Opengl, LWJGL,Numpy, Pandas,Matplotlib, Sklearn

**Build Tools**  Maven, Gradle

**Project Managment**  Git, Trello

**Typesetting**  Microsoft Office, Latex

**Operating Systems**  Windows, Linux

## 🜨 Work Experience

**Wachee**                                                                         Apr 2020 – May 2022
*Android Developer*                                                                      *Tehran,Iran*

Here I work as an android developer to maintain app and add new features to it. This app is a streaming vpn which enables users across the world to watch Netflix without proxy error on android devices.

My main achievements are :

> Developed proxy server using Netty framework on app to support HTTPS connections
> Mastered Android Materials and UI elements.
> Made usage of Jetpack libraries (e.g. AndroidX libraries).
> Used libraries such as RXJAVA or Kotlin coroutines to reach concurrency

## ☁ International Courses And Certificataions

**Kotlin for Java Developers by Jetbrains**
**Computer Vision Basics by University at Buffalo**

## 🔗 Refrences

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