



# Mohammad Amin Shahidi Nashroudkoli

**Nationality:** Iranian **Date of birth:** 30 Nov 1998 **Phone number:** (+98) 9021129876

**Email address:** amin7799sh@gmail.com

**GitHub:** <https://github.com/AminShahidi98>

**LinkedIn:** <https://www.linkedin.com/in/mohammad-amin-shahidi-3a68a9210>

**Website:** <https://aminshahidi98.github.io/>

**Home:** Unit 6 No 20, 206th st, Tehranpars, 1656789497 Tehran (Iran)

## EDUCATION AND TRAINING

### B.Sc. in Computer Engineering

*Iran University of Science and Technology* [ 23 Sep 2017 – 26 Feb 2022 ]

City: Tehran

Country: Iran

Website: <http://www.iust.ac.ir/en>

Final grade: 15.17 / 20 (GPA: 3.03 / 4.0)

Thesis: Automatic Refactoring of Software Source Code to Eliminate Linguistic Antipatterns

## RESEARCH INTERESTS

**Software Engineering, Linguistic Antipatterns, Data Mining, Business Intelligence, Convolutional Neural Networks, Machine Learning**

## WORK EXPERIENCE

### Microsoft SharePoint Specialist

*Norma Group* [ Mar 2023 – Current ]

City: Tehran

Country: Iran

Website: <https://www.linkedin.com/company/normagroup/>

Name of unit or department: IT

- Designed, developed and maintained multiple modules for an ERP-like system for business processes automation using Microsoft SharePoint and several other technologies
- Responsible for creating management reports using Microsoft Power BI, SSRS, SQL Server etc.
- Designed and created stand-alone services to serve SharePoint sites as auxiliary modules using Node.js, JavaScript, Internet Information Services (IIS) etc.

### Microsoft SharePoint Developer

*Creative Partner* [ Jun 2022 – Mar 2023 ]

City: Tehran

Country: Iran

Website: <https://creativepartner.co/>

Name of unit or department: IT

- Developed and maintained multiple SharePoint sites for different departments e.g. human resources, petrochemical trading etc.
- Create Microsoft Power BI dashboards and maintain already existing ones
- Working with multiple backend frameworks to add additional competencies to SharePoint based ERP-like systems
- Investigated through businesses procedures and workflows and created multiple automation modules

## TEACHING EXPERIENCE

**Teaching Assistant, Iran University of Science and Technology, Tehran, Iran** [ Sep 2021 – Jan 2022 ]

Embedded and Real-time Systems (Instructor: Dr. Amir Mahdi Hosseini Monazzah)

**Teaching Assistant, Iran University of Science and Technology, Tehran, Iran** [ Sep 2020 – Jan 2021 ]

Advanced Programming (Instructor: Motahare Mirzaei)

## DIGITAL SKILLS

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### Programming Languages

Python / JavaScript / DAX / HTML / SQL / CSS

### Libraries

Django | Django REST API / Pandas / Websocket / Scikit-learn / jQuery / Node.js

### Project Management Tools

Meister Task / Trello / ClickUp / Jira

### Others

Power BI / SharePoint / IIS / Linux / OpenStack / SSRS / Figma / LaTeX / Git

## LANGUAGE SKILLS

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Mother tongue(s): **Persian**

### Other language(s):

**English IELTS Overall Score: 8 (CEFR Level: C1)**

**LISTENING C1 | READING C2 | WRITING C1 | SPOKEN PRODUCTION C1 | SPOKEN INTERACTION C1**

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## CONFERENCES AND SEMINARS

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### 8th International Conference on Web Research (ICWR2022)

[ Tehran, Iran, 11 May 2022 – 12 May 2022 ]

Links: <https://iranwebconf.ir/> | [https://drive.google.com/file/d/1yhic\\_qVmJU18p10TySr3UAfP\\_hS9HMRy/view?usp=sharing](https://drive.google.com/file/d/1yhic_qVmJU18p10TySr3UAfP_hS9HMRy/view?usp=sharing)

## PROJECTS

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### Seam carving

- Seam carving (or liquid rescaling) is an algorithm for **content-aware** image resizing ([Link to repository](#))
- Implemented seam carving using **dynamic programming** and libraries like **Numpy** and **PIL**
- Algorithms analysis and design course ([Supervisor: Dr. Reza Entezari Maleki](#))

### Automatic refactoring of software source code

- Presented a method to eliminate **linguistic antipatterns** in Java source code and **refactor** ([Link to repository](#))
- for implementation, used **Python** and some of its libraries e.g. **Javalang** and **Wordsegment**
- Final thesis ([Supervisor: Dr. Mehrdad Ashtiani](#))

### Vsharee project (Backend)

- Vsharee was a web-base service which allows you to watch a video file with other users at the same time while expressing yourself via **real-time** comments. ([Link to repository](#))
- It was implemented with one other student using **Django Rest Framework**
- Software engineering ([Supervisor: Dr. Mehrdad Ashtiani](#))

### Car price regression (Self-study)

Created a regression system using **MLP** via **Python, Numpy, Pandas, Sklearn, Tensor etc.** ([Link to repository](#))

## RECOMMENDATIONS

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### Assistant Professor, School of Computer Engineering Iran University of Science and Technology

Name: Dr. Amir Mahdi Hosseini Monazzah

Phone number: (+98) 2173225347 | Email: [monazzah@iust.ac.ir](mailto:monazzah@iust.ac.ir)

### Assistant Professor, School of Computer Engineering Iran University of Science and Technology

Name: Dr. Mehrdad Ashtiani

Phone number: (+98) 2173225317 | Email: [m\\_ashtiani@iust.ac.ir](mailto:m_ashtiani@iust.ac.ir)