











Abbas Allahyari

Software Engineer

Contact

-   abbas.allahyari.91@gmail.com  linkedin.com/in/abbasallahyari  hybrid-syntax.github.io  Tehran, Iran
-   +98-935-175-0100  github.com/Hybrid-SyntaX  bit.ly/AbbasAllahyariYouTube  Completed

Work Experience

Chargoon — Software Engineer <ul style="list-style-type: none">Development and maintenance of Human resource and Timekeeper systems (ASP.Net Core, ReactJS, MS SQL Server)	Tehran, Iran Oct 2022 - Present
Cama — Machine Learning Engineer Summary <ul style="list-style-type: none">Social e-commerce solutionSetting up data pipelines using Airflow to automate shop discovery and entry processDeveloping data processing & AI microservices using FastAPI and DockerWeb mining using Scrapy and Selenium Projects <ul style="list-style-type: none">Fake Account Detection: Detecting fake instagram accounts (Python, Pytorch).Cerebrum: A service for using AI/Data products (Python, FastAPI)Instagram Cache Service: Caches and serves Instagram data (Python, FastAPI, MongoDB).Instagram Profile Discovery: Transforms partially scraped data into usable information for discovering potential shops (Python, FastAPI, MS SQL Server).Instagram Data Processor: Transforms scraped data into usable information to be used by other (micro)services and analysis purposes (Python, FastAPI, MS SQL Server).Instagram Miner: Selenium-based Instagram scraper. (Selenium, Python).Automata: Instagram bots to emulate human-like behavior for accounts (Selenium, Python, MS SQL Server).	Tehran, Iran Jul 2021 - Sep 2022
Walvira — Software Engineer <ul style="list-style-type: none">Stocks data warehouse service: A data warehouse for storing price data alongside with indicators (ASP.Net Core, C#, MS SQL Server)Portfolio Tester: A WPF app for backtesting strategies created in MetaTrader (WPF, C#)Document management portal: A document management platform based on ASP.Net MVC (ASP.Net MVC, C#, JavaScript)Portfolio Architect: WPF based app parsing and showing reports generated by various trading softwares in a pretty format. (WPF, C#)	Tehran, Iran Sep 2021 - Dec 2021
Kharazmi University — Lecturer and Teacher Assistant <ul style="list-style-type: none">Teacher Assistant in machine learning course for graduate studentsLecturer in a two-day AI Programming using Python course in the first AI Workshop for NODET Students of Karaj	Karaj, Iran Oct 2020 – Feb 2021 Dec 2019
Freelance <ul style="list-style-type: none">Talent management application: WPF-based application for storing and querying information of employees alongside their skills. (WPF, C#, SQLite)Store sales terminal: WPF-based application for registering orders. (WPF, C#, SQLite)Various projects for private clients.	Tehran, Iran Jan 2014 – Sep 2021
Partian — Software Engineer <ul style="list-style-type: none">Partian Social Network, Marketplace (PHP, JS)Partian Office Suite (PHP, JS)News portal (PHP, JS)	Tehran, Iran Oct 2009 – Oct 2013

Education

Kharazmi University — MSc in Computer Science: Decision & Knowledge Science <ul style="list-style-type: none">Thesis: Visual Reasoning: Visual Question Answering (CV, NLP, Multimodal ML, Python, Pytorch)	Karaj, Iran Sep 2019 - Feb 2022
Islamic Azad University South Tehran Branch — BSc in Software Engineering <ul style="list-style-type: none">Thesis: Automated Attendance System using Facial Recognition (OpenCV)	Tehran, Iran Feb 2011 – Jun 2014
Islamic Azad University West Tehran Branch — ASC in Computer Software <ul style="list-style-type: none">Thesis: Restaurant Management System	Tehran, Iran Jun 2009 – Feb 2011

Skills

Languages	Advanced in C# and Python
Software Dev	Advanced in OOP and Design Patterns ; Intermediate in Entity Framework , Dapper , TDD , Microservices and Scrum ; Familiar with Functional Programming .
Database	Intermediate in Database Design , MS SQL Server and SQL ; Familiar with MongoDB
Tools	Intermediate in Docker , Git , and Linux ; Familiar with Selenium
Back-end	Intermediate in ASP.Net Core , MVC , FastAPI , RESTful API ; Familiar with GraphQL
Front-end	Intermediate in Angular , TypeScript , HTML , CSS and JS .

Languages

Persian (Native) ■ English (Fluent in all skills – C2) ■ German (Advanced in all skills – Goethe-Zertifikat C2)

Selected Personal Projects

These are the notable projects I have done over the course of my career. Source codes alongside documents and executable files are available on my GitHub. For more convenience a link to the source code as well as the executable of each project is provided on the right side. Also feel free to visit my website and GitHub to know more about my projects.

2014	<p>Automated Attendance System Facial Recognition – BSc. Thesis</p> <p>A client-server based desktop application for managing employees and monitoring their attendance automatically using facial recognition, QR code and employee ID.</p> <p>Servers: QR Code Server, Face Recognition Server, Employee Info Server</p> <p>Clients: Employee Management, Log Viewer (for viewing logs and tuning face recognition algorithm), Attendance Client (for declaring attendance) , Face Recognition Client (for entering face data)</p>	<p>src: git.io/v6MYo</p> <p>Skills: C#, SQLite Database, Nhibernate ORM, Custom Database (for Face data), NUnit, EmguCV, WCF, WPF, MVVM, Design Patterns</p>
2013	<p>Visual Novel</p> <p>An interactive and narrative-driven game. I implemented a custom engine from scratch in C# for this type of game. Stories were saved in an XML file on the disk, alongside images for each page.</p>	<p>src: git.io/v6MYO</p> <p>dl: bit.ly/2jFXI9u</p> <p>Skills: C#, Silverlight</p>
2012	<p>Library Management System</p> <p>A desktop application for keeping track of books and their burrowers in a library. For the database a custom XML-based database, which emulates a relational database, was developed.</p>	<p>src: git.io/v6MmS</p> <p>dl: bit.ly/2IraC9i</p> <p>Skills: C#, Win Forms, OOP</p>
2011	<p>Restaurant Management System – ASc. Thesis</p> <p>A desktop application for managing a restaurant. Featuring the ability to add new items to the menu, as well as managing customers and taking orders.</p> <p>A custom ORM inspired by CakePHP was developed and used. Also the software is localizable by using INI files.</p>	<p>src: git.io/v6Mts</p> <p>dl: bit.ly/2jKJqnX</p> <p>Skills: C#, SQL CE, Win Forms</p>
