

# ReZa QaVi

COMPUTER ENGINEER · DATA ENGINEER

☎ (+98) 910-547-6014 | ✉ rezaqavi1379@gmail.com | 📄 RezaQavi-git | 🌐 rezaqavi

*"Every things happened, just let it go."*

## Summary

I am a recent graduate from the University of Tehran with a Bachelor's degree in Computer Engineering. I have experience in both front-end and back-end development, particularly with Python programming language. Additionally, I have more experience in data engineering concepts and working with data to create meaningful results from seemingly non-meaningful information. I am passionate about working with data and analysis to create meaningful insights.

## Education

### University of Tehran

*Tehran, Iran*

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING (SOFTWARE ENGINEERING)

2018 - 2023

- Last two academic years' overall GPA: 18.26/20 (Total GPA: 16.89/20)

### Shahid Beheshti High School, under the supervision of NODET (National Organization for Developing Exceptional Talents)

*Qaen, Iran*

DIPLOMA IN MATHEMATICS AND PHYSICS

2014-2018

- GPA: 19.98/20

## Work Experience

### Tapsi (aka Iranian Uber)

*Tehran, Iran*

DATA ENGINEER

June 2022 - Present

- Tapsi is an online cab e-hailing and ride-sharing platform. Having hundreds of thousands of rides per day, its infrastructure has huge performance, network, and availability challenges.

### SNL Laboratory University of Tehran

*Tehran, Iran*

INTERNSHIP

June 2022 - Sep 2022

- Spend my internship as a front-end developer at SNL laboratory university of Tehran and designed two websites with React JS for AI research in the laboratory about COVID-19.

### Freelancer Job Websites

*Tehran, Iran*

PART TIME

June 2022 - Sep 2022

- Several freelancer projects mostly with python programming language.

## Skills

**Programming**, Python, Java, C, C++, Go, JavaScript, Bash

**Technologies**, Git, Linux, Docker, Spring, SQL, Rest API, Spark, Hadoop, Airflow

**Familiar**, Django, Databases, Scala, Verilog, DevOps, Kubernetes, NGNIX, Computer Networks, Design Patterns

**Soft Skills**, Creative, Motivated, Communicative, Hard-working, Organized, Introvert

**Others**, Object-Oriented Programming, Software Development Methodologies, Agile, Multi-Thread Programming, Socket Programming, Big Data Proccessing, ETL

## Selected Projects

<b>Moodle - Introduction to Computing Systems and Programming,</b>		
Fall 2018	Implemented a system for managing and manipulating courses, students, and grades Developed using linked list, memory allocation, and structs in C	C
Spring 2019	<b>Netflix - Advanced Programming,</b> Developed an OOP application like Netflix with C++ Implemented a simple UI using HTML and CSS	C++, HTML, CSS
<b>Operating System Projects,</b>		
Fall 2020	Developed a client-server application using socket programming via UDP and TCP protocol Developed a multi-process application and used named and unnamed pipes for IPC Developed a multi-thread program using the Pthread library for calculating an AI model accuracy	C++
<b>Artificial Intelligence Projects,</b>		
Spring 2021	Implemented several conscious and unconscious search algorithms for solving the snake and seed problem Implemented a genetic algorithm for designing a logic circuit with a given truth table Implemented a Naive Bayes Classifier for classifying an online shop's comments Implemented several simple machine learning regressions using scikit-learn to predict house prices Implemented a neural network for COVID-19 diagnosis using CT scan images of lungs.	Python
<b>Computer Network Projects,</b>		
Spring 2021	Developed a simple FTP-server application using socket programming Implemented a simple version of Ethernet switch Implemented a simple version of a router for sending multicast messages	C++
<b>Bolbolestan - Internet Engineering,</b>		
Spring 2021	A unit selection system web application like "Golestan" with MVC architecture Back-end developed using Spring and MySQL Front-end developed using ReactJS Application deployed using Docker and Kubernetes	Spring,MySQL, ReactJS,Docker
Spring 2022	<b>A5-1 - Computer Networks Security,</b> Implemented both encryption and decryption modules for A5-1 stream cipher using Python	Python

## Teaching Experience

### Teaching Assistant of Introduction to Computing Systems and Programming

University of Tehran

SCHOOL OF ELECTRICAL AND COMPUTER ENGINEERING

Fall 2020

- Supervisor Prof. Hadi Moradi

### Teaching Assistant of Internet Engineering

University of Tehran

SCHOOL OF ELECTRICAL AND COMPUTER ENGINEERING

Spring 2022

- Supervisor Prof. Ehsan Khamespanah

### Teaching Assistant of Database Design Lab

University of Tehran

SCHOOL OF ELECTRICAL AND COMPUTER ENGINEERING

Spring 2023

- Supervisor Prof. Mojtaba Banaie

## Language Proficiency

**Persion,** Native

**English,** Upper-intermediate

**Arabic,** Intermediate