

AMIR HOSSEIN MOHSEN NEZHAD BARAVATI

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DEVELOPER AND ENGINEER



OBJECTIVE

I am a highly adaptable student with extensive experience in both backend and frontend development, I have served as a lead engineer, showcasing not only technical prowess but also strong leadership and teamwork skills. My academic journey led to a bachelor's thesis on Image Processing, where I conducted research in applying deep neural networks and machine learning to diagnose thyroid carcinoma from cytology slides. Currently pursuing my Master's degree at Politecnico di Milano, I am confident that this experience will be invaluable, providing me with a rich academic environment and opportunities to engage with cutting-edge research and industry trends. With a solid background in software engineering, a robust foundation in mathematics and algorithms, and a commitment to pushing the boundaries of technology, I am always eager to explore new concepts and technologies. This intersection of academic rigor and practical experience positions me to contribute effectively to both theoretical discussions and real-world applications.

SKILLS

Python, Pytorch, Pandas
SQL, Postgres, Postgis
Django, ORM, Template
Celery, RabbitMQ, Redis
Dart - Flutter Web/Android

LANGUAGES

English | Advanced.
TOEFL Certificate
Persian | Native
Italian | Elementary.
Ongoing Italian Course at Polimi

EXPERIENCE

Lead Engineer And Backend Developer Jul 2021 – Sep 2023
System Group[Iran] – Teherán, Tehran Province, Iran

As the lead engineer at SG, I directed the development of projects using Dart/Flutter and Python/Django. Responsible for both Flutter and Django code bases, I led a team of four developers. Additionally, I participated in the hiring process, conducted interviews, and provided mentorship when needed. My experience encompasses the seamless integration of diverse technologies and the fostering of a collaborative team environment.

Flutter Developer Nov 2020 – May 2021
Nilva – Teherán, Tehran Province, Iran

I was solely responsible for developing and maintaining a Flutter application.

EDUCATION

Master of Computer Science And Engineering in AI Track Sep 2023 – Present
Politecnico Di Milano – Milan, Lombardy

Bachelor of Computer Science Sep 2017 – Sep 2022
Sharif University of Technology – Teherán, Tehran Province, Iran

PROJECTS

Diagnosis of Thyroid Cancer Using DL from Cytology Slides: Diagnosis of Thyroid Cancer Using Neural Networks from Cytology Slides Description: Independent and collaborative research into the application of deep neural networks and machine learning on the diagnosis of thyroid carcinoma and exploring the potential of computer vision in assisting experts in their work.

Colloquial Meaning and Synonym Extraction: Independent and collaborative research into developing and designing new data pipelines to automatically craft a database of informal words and their corresponding synonym