

Enver Bashirov

AI SOFTWARE ENGINEER · TEAM LEAD

Padova, Italy

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Work Experience

Hekanize

AI & TEAM LEAD

Padova, Italy

Dec. 2024 - Present

- Joined as one of the first engineers; shaped the tech team and product direction for a SaaS CRM platform
- Built and led a team of 8 developers and coordinated 2 external supplier teams
- Stabilized a microservice-based architecture, significantly improving uptime and scalability
- Designed and deployed production-ready AI modules using LangChain, LangGraph, FastAPI, PyTorch, and TensorFlow
- Rebuilt AWS infrastructure with Terraform (S3, EC2, ECS, Lambda, IAM, CloudFront, etc.) and optimized for cost and reliability
- Oversaw CI/CD pipelines and debugging across multiple stacks (C#, Java, Python, PHP)

GeolInference

SOFTWARE ENGINEER · COMPUTER VISION ENGINEER

Padova (Remote), Italy

Oct. 2024 - Nov. 2024

- Developed a client-server segmentation service (REST API, Flask, Python) to detect distinct objects in containers
- Built a computer vision pipeline for sawblade defect detection using OpenCV

MINTS

MACHINE LEARNING ENGINEER (RESEARCH)

Padova, Italy

Mar. 2020 - Mar. 2023

- Developed radar-based deep learning models (CNN, RNN, Autoencoders, YOLOv3) for human tracking using PyTorch
- Implemented distributed, multi-threaded edge computing systems with Python sockets and TCP/IP

Nokia Bell Labs

MACHINE LEARNING ENGINEER

Espoo, Finland

May 2022 - Aug. 2022

- Built WiFi signal peak detection pipeline with decision trees, pandas, numpy, and scikit-learn

IMDEA Networks

MACHINE LEARNING ENGINEER

Madrid, Spain

Jan. 2021 - Jun. 2021

- Designed TensorFlow-based models for human activity recognition and implemented signal denoising algorithms

Eastern Mediterranean University (EMU)

SOFTWARE ENGINEER

Famagusta, Cyprus

Sep. 2018 - Jul. 2019

- Contributed to the university's internal systems (C#, .NET, MySQL, NodeJS, TypeScript, AngularJS)
- Improved front-end for the official university webpage using .NET, AngularJS, HTML5, and CSS3

Education

University of Padova (UNIPD)

PH.D. IN INFORMATION AND COMMUNICATION TECHNOLOGY

Padova, Italy

Oct. 2019 - Oct. 2023

- Focus: Machine Learning, Computer Vision, Edge Computing

Eastern Mediterranean University (EMU)

M.SC. IN APPLIED MATHEMATICS AND COMPUTER SCIENCE

Famagusta, Cyprus

Sep. 2017 - Jul. 2019

- Focus: Artificial Intelligence, Distributed Systems, Network Security

Bilkent University

B.SC. IN COMPUTER ENGINEERING

Ankara, Turkey

Sep. 2012 - Jul. 2017

- Core studies in Systems Programming, AI, Image Analysis, and Computer Graphics

Skills

DevOps

Terraform · AWS · Docker · CI/CD (GitHub Actions) · Linux · Python · SQL · C#/.NET · MySQL

ML & AI

PyTorch · TensorFlow · LangChain · LangGraph · Scikit-Learn · Pandas · NumPy · Flask · FastAPI · SQLAlchemy · Alembic

Techniques

Neural Networks · YOLO · SVM · Clustering (k-means, DBSCAN) · Dimensionality Reduction (PCA)

Applications

NLP · Object Detection · Activity Recognition · Classification · Regression · Clustering · Data Engineering (EDA)

Side Projects

Image Segmentation (CV) [\[code\]](#) · LeetCode (Algorithms) [\[link\]](#) · Kaggle (ML Competitions) [\[link\]](#)

Languages

English (proficient [\[IELTS 7.5\]](#)) · Turkish (native) · Azerbaijani (native) · Russian (intermediate) · Italian (A2)