

Abdullah Shamout

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EDUCATION

Istanbul Technical University

Bachelor of Computer engineering

October 2021 – Present

Istanbul, Turkey

Inzva X Google Developers ML Bootcamp

TensorFlow Developer Certificate

June 2023 – October 2023

Istanbul, Turkey

EXPERIENCE

Artificial Intelligence Engineer

Cezeri / Baykar Defense

October 2024 – Present

Istanbul, Turkey

- I am still working there currently

Research and Development Intern

Arçelik/Beko Corporate

August 2024 – September 2024

Istanbul, Turkey

- Created a dataset that relates the designs of TVs to their EMI signals using Anechoic Chambers
- Worked on creating an application to create the dataset automatically into a compact labeled form using tkinter
- Developed ML and DL models using Sklearn and TensorFlow for the prediction of EMI signals
- Dealt with multivariate series forecasting, dataset optimization, and big data analysis
- Dealt with data visualization and preprocessing using pandas and seaborn

Undergraduate Student Researcher

Istanbul Technical University's SiMiT Lab

November 2023 – July 2024

Istanbul, Turkey

- Developed several insect classification and identification models using TensorFlow and PyTorch
- Worked with multi-label classification models that work on a taxonomic level
- Employed probabilistic prediction thresholds and utilized transfer learning
- Did an extensive literature review of state of the art employed technologies in the fields of object detection and classification

Software Development Intern

RealSoft Advanced Applications

July 2023 – September 2023

Amman, Jordan

- Developed a product supplier-retailer application with the mobile development team using flutter
- Developed some APIs for the supplier-retailer application using the .NET framework
- Utilized MySQL as the database management system and worked on some structural migrations

NOTABLE PROJECTS

ITUdb2314 | Flask, React, MySQL, Docker, Git, LaTeX, Makefile

October 2023 – December 2023

- Developed a full-stack web app using Flask for the backend, MySQL for the DBMS, and React for the frontend
- Utilized Docker for deployment and ease of development across collaborators
- Utilized LaTeX for creating the project's reports and documentation

Imapulation | Tkinter, Tensorflow, Pandas, OpenCV, Jupyter Notebook

July 2024

- Developed an image manipulation app that allows you to remove the background and edit the predicted mask
- Utilized Tensorflow for the Unet model development and compiled data from kaggle for training
- Utilized tkinter to create my UI and loaded the weights for feature implementation
- Utilized Pandas for dataset preprocessing and OpenCV for mask postprocessing

For a complete list of all projects and coursework, please visit my portfolio: Portfolio

ACTIVITIES

Türkiye Bursları Scholarship Winner

August 2020

- Full scholarship to study at Istanbul Technical University in Computer Engineering
- 1 year Turkish courses at Istanbul University's language center from A1 level to C1

DIOPSIS ARISE challenge participant

March 2024

- Joined the DIOPSIS ARISE challenge as a participant representing Istanbul Technical University
- Created Detection and Multilevel classification models for insects in the challenge

Dean's List of Honours

- Awarded honours and high honours on the Dean's list for high finishing GPAs for multiple semesters

CERTIFICATES

Google TensorFlow Developer Certificate

Deep Learning Specialization(5 courses)

Machine Learning Specialization(3 courses)

DeepLearning.AI TensorFlow Developer(4 courses)

TECHNICAL SKILLS

Languages: Python, C/C++, C#, SQL, JavaScript, Dart, HTML, CSS, Verilog, LaTeX, ARM Cortex M0+

Frameworks: TensorFlow, PyTorch, React, Vite, Tailwind, Flask, Flutter, .NET

Developer Tools: Git, Docker, Bash, ZSH, VS Code, Visual Studio, PyCharm, Eclipse, Vivado, Keil uVision5

LANGUAGES

English : Native/bilingual

Arabic : Native/bilingual

Turkish : C2 level/Fluent