

Abdullah Shamout

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EDUCATION

Istanbul Technical University October 2021 – Present
Bachelor of Computer engineering Istanbul, Turkey

Inzva X Google Developers ML Bootcamp June 2023 – October 2023
TensorFlow Developer Certificate Istanbul, Turkey

EXPERIENCE

Undergraduate Student Researcher November 2023 – Present
Istanbul Technical University's SiMiT Lab 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 field

Software Development Intern July 2023 – September 2023
RealSoft Advanced Applications 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

Deep Learning Specialization(5 courses) February 2024

Machine Learning Specialization(3 courses) February 2024

Google TensorFlow Developer Certificate October 2023

DeepLearning.AI TensorFlow Developer(4 courses) September 2023

TECHNICAL SKILLS

Languages: Python, C/C++, C#, SQL, JavaScript, HTML/CSS, Dart, 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