

Abdullah Shamout

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EDUCATION


Istanbul Technical University <i>Bachelor of Computer engineering</i>	October 2021 – Present <i>Istanbul, Turkey</i>
Inzva X Google Developers ML Bootcamp <i>TensorFlow Developer Certificate</i>	June 2023 – October 2023 <i>Istanbul, Turkey</i>

EXPERIENCE

Undergraduate Student Researcher <i>Istanbul Technical University's SiMiT Lab</i>	November 2023 – Present <i>Istanbul, Turkey</i>
<ul style="list-style-type: none">Developed several insect classification and identification models using TensorFlow and PyTorchWorked with multi-label classification models that work on a taxonomic levelEmployed probabilistic prediction thresholds and utilized transfer learningDid an extensive literature review of state of the art employed technologies in the field	
Software Development Intern <i>RealSoft Advanced Applications</i>	July 2023 – September 2023 <i>Amman, Jordan</i>
<ul style="list-style-type: none">Developed a product supplier-retailer application with the mobile development team using flutterDeveloped some APIs for the supplier-retailer application using the .NET frameworkUtilized MySQL to deal with the database management system and worked on some structural migrations	

NOTABLE PROJECTS

 ITUdb2314 <i>Flask, React, MySQL, Docker, Git, LaTeX, Makefile</i>	October 2023 – December 2023
<ul style="list-style-type: none">Developed a full-stack web app using Flask for the backend, MySQL for the DBMS, and React for the frontendUtilized Docker for deployment and ease of development across collaboratorsUtilized Git for the project version control and GitHub to work synchronouslyUtilized LaTeX for creating the project's reports and documentation	

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

CERTIFICATES

Deep Learning Specialization(5 courses)	February 2024
<ul style="list-style-type: none">Neural Networks and Deep LearningImproving Deep Neural Networks: Hyperparameter Tuning, Regularization and OptimizationStructuring Machine Learning ProjectsConvolutional Neural NetworksSequence Models	
Machine Learning Specialization(3 courses)	February 2024
<ul style="list-style-type: none">Supervised Machine Learning: Regression and ClassificationAdvanced Learning AlgorithmsUnsupervised Learning, Recommenders, Reinforcement Learning	
Google TensorFlow Developer Certificate	October 2023
DeepLearning.AI TensorFlow Developer(4 courses)	September 2023
<ul style="list-style-type: none">Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and DeepLearningConvolutional Neural Networks in TensorFlowNatural Language Processing in TensorFlowSequences, Time Series and Prediction	

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

(ongoing)March 2024

- Joined the DIOPSIS ARISE challenge as a participant representing Istanbul Technical University

Teknofest Digital Chip Design competition

(ongoing)February 2024

- Designing and implementing a chip design for the RISC-V instruction set according to the constraints in the competition
- Scored 2nd globally in the preliminary design report.

Dean's List of Honours

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

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