

# Bilal Altundağ

## Backend/ML Developer

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🏠 Turkey

in <https://www.linkedin.com/in/bilal-altundag/>

🌐 <https://bilalaltundag.github.io>

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### PROFESSIONAL SUMMARY

Experienced backend developer with a strong background in data and machine learning, offering over 2 years of expertise. Proficient in developing scalable solutions and implementing efficient algorithms. Skilled in Python, SQL, and cloud technologies such as AWS. Proven track record in optimizing performance and delivering high-quality results. Ready to leverage my expertise in backend development, data analysis, and machine learning to drive innovation and contribute to the success of your team.

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### EDUCATION

#### MASTER DEGREE

*Washington University Science and Technology , USA/Virginia | 4.0 GPA*

Information Technology - Data Management and Analysis

#### BACHELOR DEGREE

*Izmir Democracy University , Turkey/Izmir | Graduated in 2022 | 3.02 GPA*

Electrical and Electronic Engineering

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### EXPERIENCE

#### FULL STACK DEVELOPER(Voluntary)

*Oct 2023 - Mar 2024 | SmyrnaEDU , Turkey/Izmir*

##### Web Design:

- Creating web designs tailored to user needs and brand identity.
- Ensuring user-friendly interfaces and ease of use.
- Developing mobile-responsive and adaptable designs.

##### WordPress Site Creation:

- Building customized websites using WordPress.
- Selection, installation, and configuration of themes and plugins.
- Optimizing WordPress for content management.

##### Data Management and Automation:

- Collecting and organizing data for analysis and reporting.
- Automating database management and update processes.
- Utilizing automation tools to manage data flows.

##### IT Operations:

- Managing and securing network infrastructure.
- Resolving software and hardware issues and maintenance.
- Planning and implementing IT systems aligned with business requirements.

## BACKEND/ML DEVELOPER

Sep 2021 - Apr 2023 | Zoi Data , Turkey/Izmir

- Selecting the most suitable method for determining the dominant color.
- Collecting data using web scraping techniques.
- Generating new images with appropriate prompts using text-to-image models to fill in missing categories.
- Labeling the segmented parts of images.
- Selecting and training models for image segmentation and classification, and conducting analysis.
- Deploying models using AWS cloud services.
- Academically reporting the analyses.
- Designing a simple website and making it available to users through an API.

## PYTHON DEVELOPER INTERN

Aug 2020 - Sep 2020 | Izmir Democracy University , Turkey/Izmir

- Developing a Python algorithm to achieve comprehensive sound diversity.
- Designing an interface for individuals interested in creating a Turkish speech synthesizer.
- Implementing a feature to process uploaded text files, allowing the optimal machine learning model to learn from human voices and display the results on the interface.
- Implementing an automated archiving system to store voice recordings.
- Python GUI libraries were used to create user interfaces for the mentioned tasks.

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## PROJECTS

### CLOTHING ANALYSIS

- Implemented web scraping to download clothing images from online shopping websites.
- Researched and selected the fastest and most effective algorithms for determining the dominant color of clothing.
- Generated new images using text-to-image models to address data gaps.
- Utilized state-of-the-art models for clothing and logo segmentation and classification.
- Identified and segmented logos present on the clothing items.
- Designed a website to deliver the project to users and deployed the models on cloud services like AWS for accessibility

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## Seminerler

### IES'21 International Engineering Symposium

[ İzmir Demokrasi Üniversitesi, 16/12/2021 – 17/12/2021 ]

Evrişimli Sinir Ağlarıyla Kıyafet Görüntülerinden Otomatik Lisans Tespiti

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## CERTIFICATIONS

### VERSION CONTROL AND PORTFOLIO TRAINING

[https://globalaihub.com/certificate-](https://globalaihub.com/certificate-share/eyJ1c2VyLWlkljo3ODUzNSwiY291cnNILWlkljo4ODc5MywiY2VydC1pZCI6ljk0NzA3In0=)

[share/eyJ1c2VyLWlkljo3ODUzNSwiY291cnNILWlkljo4ODc5MywiY2VydC1pZCI6ljk0NzA3In0=](https://globalaihub.com/certificate-share/eyJ1c2VyLWlkljo3ODUzNSwiY291cnNILWlkljo4ODc5MywiY2VydC1pZCI6ljk0NzA3In0=)

By obtaining this certification, software developers gain vital skills in version control system management and portfolio building. The certification covers cutting-edge techniques that enable developers to efficiently track code changes, collaborate with team members, and present their work through visually appealing portfolios.

## **INTRODUCTION TO DEEP LEARNING**

<https://globalaihub.com/certificate-share/eyJ1c2VyLWlkljo3ODUzNSwiY291cnNILWlkljo4OTI1MSwiY2VydC1pZCI6ljk0NzIzIn0=>

By attaining this certification, individuals gain comprehensive knowledge and practical skills in designing, preparing data, training, and evaluating deep learning models. The certification covers the most suitable and contemporary techniques in the field, providing a well-rounded understanding of the entire process.

## **IMAGE CLASSIFICATION WITH AMAZON SAGEMAKER**

<https://www.coursera.org/account/accomplishments/certificate/N5UFJ95W9DKJ>

By obtaining this certification, individuals demonstrate their capability to effectively run image classification models on AWS Sagemaker service, showcasing their knowledge and skills in transferring and deploying models proficiently.

## **DEPLOY MACHINE LEARNING MODEL INTO AWS CLOUD SERVERS**

<https://www.coursera.org/account/accomplishments/certificate/5LT2L48XMXGK>

Proficiency in deploying machine learning models on AWS is demonstrated through this certification, highlighting the utilization of the most suitable and up-to-date techniques in the field

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## **SKILLS**

**PYTHON   MACHINE LEARNING   DEEP LEARNING   DATA ANALYSIS   COMPUTER VISION   DATA MANAGEMENT**  
**AWS SERVICES   SQL   BRINGING FRESH PERSPECTIVES TO PROBLEM-SOLVING**  
**STRONG TEAMWORK ORIENTATION**  
**STAYING UPDATED WITH RELEVANT LITERATURE AND CONTRIBUTING TO THE PROJECT**

