Mehmet Bayık

📞 +90 555 769 35 35　　✉ mehmet.bayik@ug.bilkent.edu.tr　　📍 Ankara, Turkey　　🔗 mehmetbayik.com

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Education

Bilkent University, B.S. in Electrical and Electronics Engineering, CGPA: 2.63/4.00

Ankara, TR
2019 - Present

- 1/2 Scholarship - Transcript ↗

Izmir Science High School, High School Degree, CGPA: 96.50/100

Izmir, TR
2014 - 2018

- Field: Math-Science

Manisa Science and Art Center, Intellectual Ability Program Completion

Manisa, TR
2008 - 2018

- Field: Physics

Experience

Aselsan Defence Industries, Test Design Engineer, Intern

Ankara, TR
June 2024 - July 2024
2 Months

- Completed face-to-face internship in Aselsan R&D Center.
- Used Visual Studio and Teststand to automatize test applications.
- Used C# for frontend to supply an interface to technicians
  and backend to work with embedded devices by writing custom libraries.

Vestel Electronics Inc., Machine Learning Engineer, Intern

Manisa, TR
Aug. 2021
1 Months

- Completed face-to-face internship in Vestel Electronics R&D Center.
- Worked with multiple teams in Big Data and AI Directorate.
- Used Fedora Linux and experienced with Docker, Git etc.
- Experienced Scrum methodology by joining daily & weekly meetings.

Projects & Certificates

Face Generation Using StyleGANv2 Based on Text Descriptions

May. 2024

- Developed a multimodal network and fine tuned pretrained models.
- Used Python with Pytorch and experienced Styleganv2, CLIP, BLIP. Report ↗

Skin Cancer Prediction with Deep Learning

Dec. 2023

- Developed a deep learning model using CNN, Resnet and Transfer Learning.
- Used Python with Sklearn, Tensorflow, Keras and Pytorch. GitHub ↗

Alzheimer MRI Prediction from Scratch

Dec. 2023

- Developed a ML model using linear regression, SVM and neural networks.
- Used Python, Numpy, Pandas without any ML specific libraries. GitHub ↗

Machine Learning Specialization (3 Courses)

June 2023

- Coursera, Andrew Ng, Stanford Online, Credential ID: X3JP2RSEPSJM ↗

FPGA Car Safety System

May 2021

- IR remote controlled car with lane keeping assist and collision avoidance system.
- Project implemented in VHDL via BASYS 3 using Xilinx Vivado. GitHub ↗

Additional Experience & Awards

Teaching Assistant (2022): Given recitation classes to sophomore EEE students for EEE102 Digital Design Course.

Honor Student (2021): Achieved distinction by obtaining high GPA (3.00/4.00) while carrying at least min. course load.

Tutorship (2020-2021): Helped students during their CS115 Python course laboratory work for 3 semesters.

IELTS Academic Exam (2019) Overall Score: 6.5/9.0

1/2 Scholarship (2018) Due to 3454th rank among 2M high school graduates in OSYM university placement exam.

Skills & Interests

Technical: Python, MATLAB, VHDL, SQL, Assembly, Embedded C, Simulink, Proteus, LtSpice

Frameworks: Numpy, Pandas, Matplotlib, Seaborn, PIL, Sklearn, Tensorflow, Keras, Pytorch