HASAN DAMIRLI

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Senior Mechatronics Engineer

EDUCATION

Yildiz Technical University   **Sep 2019 - Present**
Istanbul, Turkey
Bachelor Degree of Mechatronics Engineering (GPA: 2.56)
- SAT Exam (total: 1250, math - 790, english - 460)
- SAT Subject Exam (math: 790)

PROFESSIONAL EXPERIENCE

Memsa Makina, Istanbul, Turkey   **Aug 2021 - Sep 2021**
Compulsory Workshop Internship
- CNC, turning, milling machine
- Soldering
- Solidworks

ADY (Azerbaijan Railways), Baku, Azerbaijan   **Jan 2022 - Feb 2022**
Volunteer Internship
- Rail Systems

Lenta Marine, Istanbul, Turkey   **Jun 2022 - Aug 2022**
Compulsory Occupational Field Internship
- ROV Solidworks designs
- ROV 3D printing parts
- ROV Pixhawk communication
- Mission Planner Interface

CSR Elektronik, Istanbul, Turkey   **Jan 2023 - Feb 2023**
Compulsory Occupational Field Internship
- Siren Systems
- Police and ambulance light systems

DroneX UAV Team, Istanbul, Turkey   **Nov 2022 - Oct 2023**
Project Team
- Drone electronic system development
- Drone Mission Planner Interface

PROJECTS

Minesweeper Robot   **2019**
- Electronic(s) used: Arduino Uno
- Programming language(s): C
- Programming tool(s): Arduino IDE

Automatic Railway Gate Controller   **2021**
- Electronic(s) used: PIC16F877A microcontroller
- Programming language(s): Assembly
- Programming tool(s): MPLAB X IDE

Elevator Automation of 3-Floor Building   **2022**
- Electronic(s) used: PLC
- Programming language(s): Ladder Logic (LAD)
- Programming tool(s): FPWIN PRO 7 Panasonic

Tweet Sentiment Analysis   **2023**
- Electronic(s) used: -
- Programming language(s): Python
- Library(ies) used: Twitter, Geocoder, Wordcloud, Folium

Color Correction using Histogram Processing   **2023**
- Electronic(s) used: -
- Programming language(s): Python
- Library(ies) used: Opencv, Numpy

Technical Drawing Generation   **2023**
- Electronic(s) used: -
- Programming language(s): Python
- Library(ies) used: Cv2, Numpy, Matplotlib Pyplot

Drone (Unmanned Aerial Vehicle)   **2023**
- Electronic(s) used: Ardupilot APM 2.8, GPS, Telemetry module
  GPS module, Arduino UNO, Brushless motor, Solid state relay
  Servo motor, Tilt sensor, Power module
- Programming language(s): -
- Programming tool(s): Mission Planner, Arduino IDE

Wheelchair Control via Eye Tracking   **2024**

  Electronic(s) used: Raspberry PI, Motor, Motor controller
  Battery, LCD monitor, Motor speed sensor
- Programming language(s): Python
- Library(ies) used: Opencv, Numpy, Tkinter, Scipy

AI Chatbot with Deepseek R1 and Ollama API   **2025**
- Technology(ies) used: Deepseek R1, Ollama API, Streamlit
- Programming language(s): Python
- Library(ies) used: Transformers, Streamlit, Requests

Sentiment Analysis Bot   **2025**
- Technology(ies) used: Twitter-roberta-base-sentiment, Streamlit
- Programming language(s): Python
- Library(ies) used: Transformers, Pipeline, Streamlit

AWARDS

Yildiz Technical University Startup House Bootcamp Hackathon (Istanbul, Turkey)

- Participation   **2022**

TEKNOFEST 2023 First Place Award (Bursa, Turkey)

- "International Unmanned Aerial Vehicle" Category   **2023**

SUAS UAV Competition 2023 (Washington DC, USA)

- Participation   **2023**

CERTIFICATIONS

UDEMY Introduction to Domain Names and Web Hosting (online)

- Participation **2020**
- Certification Link:
  https://www.dropbox.com/scl/fi/vewjku8gj1656kl3yac09/udemy-introduction-to-domain-and-web-hosting.pdf?rlkey=ni9uejc7ncqwhtya0talo8e0f&st=vnfygjgl&dl=0

TURKCELL React 101 (online)

- Participation **2022**
- Certification Link:
  https://www.dropbox.com/scl/fi/61fqdx15xv0m84stzi53i/HASAN-DAMIRLI-React101.pdf?rlkey=8ebfq4jfby5uvi7f98tdklfpn&st=gme1695z&dl=0

TURKCELL Arduino 101 (online)

- Participation **2022**
- Certification Link:
  https://www.dropbox.com/scl/fi/veq4catq0atvg6vqwkli4/HASAN-DAMIRLI-Arduino101.pdf?rlkey=uae9sqmg1k3ov75woulbm1qp5&st=4u0z895a&dl=0

TURKCELL Python 101 (online)

- Participation **2022**
- Certification Link:
  https://www.dropbox.com/scl/fi/mxdihbinxfsveygcc9plr/HASAN-DAMIRLI-Python101.pdf?rlkey=jw3zd1e9kimsowwt6c5yfik2u&st=ia7n6toh&dl=0

TURKCELL Python 201 (online)

- Participation **2022**
- Certification Link:
  https://www.dropbox.com/scl/fi/magw991179gqum3gony6k/HASAN-DAMIRLI-Python201.pdf?rlkey=izvb1w80bxs8s69hs9o00esjo&st=gd8e78yc&dl=0

HACKERRANK Python Basic (online)

- Participation **2022**
- Certification Link:
  https://www.dropbox.com/scl/fi/ufge8vwf1go0dminm8ydz/hackerrank-python_basic-certificate.pdf?rlkey=pgblebg2crcerdhye6xt38wth&st=874p5pj3&dl=0

YILDIZ TECHNICAL UNIVERSITY KVK Team Zirvedekiler (YTU)

- Participation **2023**
- Certification Link:
  https://www.dropbox.com/scl/fi/e6cud36heqhxdnmx0gff2/kvk-zirvedekiler-etkinlik-katilim.pdf?rlkey=xx5fhptkovltp2u2usephl4xn&st=qsw8v559&dl=0

FLO Tech Summit (online)

- Participation **2023**
- Certification Link:
  https://www.dropbox.com/scl/fi/ezbgzpjkaxug8pkrdwnsu/flo-teknoloji-zirvesi-katilim.pdf?rlkey=msg6lrrssztsdtjym8xyy5yir&st=aln906zi&dl=0

CODERSPACE Think Tech (online)

- Participation **2023**
- Certification Link:
  https://www.dropbox.com/scl/fi/fzxwnapja5cwbmnzg5c8c/coderspace-think-tech-etkinlik.pdf?rlkey=4s9p5yggjkh2gayh91i4xcc0r&st=pva0m97l&dl=0

CODERSPACE Artificial Learning Winter School Bootcamp (Koc University)
- Participation **2024**
- Certification Link:
  https://www.dropbox.com/scl/fi/z1sjjl9mqzw7xwxinlvaf/yapay-kis-okulu-katilim.pdf?rlkey=fq692y3vl1qhgh6ej8p9x9yxm&st=2tr0km1o&dl=0

CODERSPACE Data Science and AI Day (online)
- Participation **2024**
- Certification Link:
  https://www.dropbox.com/scl/fi/sfiis181bkkbgbxzlnsay/coderspace-data-science-and-ai-day.pdf?rlkey=vhb55mouwtvh1sofnshsk1sdh&st=z630n6hp&dl=0

KODLUYORUZ x MICROSOFT Yapay Zeka ile Dönüştürelim (online)
- Participation **2025**
- Certification Link:
  https://www.dropbox.com/scl/fi/bxinuhlzs1n5takbp2zkl/yapay-zeka-kodluyoruz-microsoft.pdf?rlkey=63bbgvwo18dx0zme5pxfcbcvu&st=8iw8e1wv&dl=0