

ALPER OZARSLAN

AWS Cloud I Machine Learning I MLOps

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SUMMARY

3rd-year Computer Science student with practical experience. i worked with machine learning, deep learning, and data engineering. Skilled in Python, SQL, AWS, and .NET, React, javascript with hands-on work from datathons and certification programs. I have 2 day lecture and my university covers my internship insurance which allows me to dedicate time to full-time, part-time, or internship opportunities for 5 days a week. Interested in projects involving AI, automation, and cloud-based solutions.

SKILLS

SPEAKING LANGUAGES:

Turkish (Native), English B2, German (A1)

Programming Languages:

Python (Mainly machine learning and deep learning libraries), C#, Javascript, Node.js, React Java, R, C

Python Libraries:

Scikit-Learn, Pytorch, Pandas, Keras, Tensorflow, YOLO, OpenCV, Pycaret, Transformers, MLflow

Cross-language tools:

Git, Github, Linux, Docker, AWS Tools, Office, MySQL, PostgreSQL, SQLite, MSSQL

EDUCATION

Computer Science 3rd Grade CGPA: 3.38

Istanbul University, Istanbul/Turkiye

PROJECTS

My Personal React Website on AWS EC2 (alper-ozarslan.online)

- I used React, React frontend libraries, client-side routing, Javascript, Python, FastAPI, AWS EC2, Bootstrap, tailwind.
- This website is for show my cv and portfolio.
- I'm planning to upgrade this website for communication.
- Used sporadic animation libraries.
- It's backendless website, i'll add AWS RDS database with FastAPI soon.

Arabam.com Car Listings – Machine Learning Price Predict

- I scrapped the data from arabam.com using [beautiful soup](#), [requests](#), [selenium](#), [chromium](#). The data was messy and it took me a while to clean it with [pandas](#) and other tools.
- First I used [future engineering](#) steps for taking futures.
- Then I tried [every machine learning model](#) to see which one might work better with [pycaret](#).
- After some trial and error, I managed to build a small pipeline which makes predictions.
- I also made a little [Streamlit](#) app to show the results. But it's disabled because of security issues.
- It's not live right now, but I learned a lot while making it.

Voice Recording & Transcription System using LLMs – 2025

- I created a Python system to [transcribe Turkish audio, even when English words sneak in](#).
- Then I [summarized the transcripts](#) using a [BART model](#).
- The system automatically grabs audio files from [Google Drive \(colab\)](#), processes them, saves notes, and deletes the originals.
- I set it up so the models download only once, for saving time.
- At first I planned [AWS](#), but [Google Drive](#) worked cheap.

Istanbul Technical University Deep Learning Datathon – 2025

Data Science Club

- We worked with images from three cities from datathons dataset.
- At first, we found the cnn model fits our needs .
- We did transfer learning and fit our model. Used Pytorch and CNN models.
- Working with teammates on GitHub made things easier and even kind of fun.

Yildiz Technical University Machine Learning Datathon – 2025

Data Science Club

- I got to work with real factory machine data. Cleaned data first then used the future engineering futures.
- I built an XGBoost model to predict maintenance needs.
- Seeing it work in practice was really satisfying.
- I also teamed up with my friends on GitHub, which made the whole process smoother.

Kaggle OBSS AI Intern Deep Learning Datathon – 2025

OBSS

- I built an image captioning model using a OBSS AI Intern Datathon dataset.
- I used future engineering and data analyzing first, then fine-tuned BERT image caption model it to get better results.
- This was my first hands-on experience with transfer learning and model training.

INTERNSHIPS

QNB Finansbank Intern

QNB Finansbank | 07/2024 - 08/2024

- I did a one-month internship focusing on C# programming and web development.
- It was my first real experience coding for real projects, which was exciting.
- I also attended training sessions on C# and web apps and got a peek into how solutions are built in finance.

Denizbank Denizasiri Intern

Denizbank | 02/2024 - 03/2024

- I learned the basics of Data Science and AI during this internship.
- I also got better at communicating and working with others while learning new concepts.

CERTIFICATES

AWS Certified Cloud Practitioner – 2025

- Solid understanding of AWS core services : EC2, S3, RDS, Lambda, VPC, IAM, CloudWatch, CloudFormation, and DynamoDB.
- Design, deploy, and manage cloud applications, implement security practices, and optimize cost and performance.
- monitoring, automation, and deployment skills gained for scalable cloud applications.

DataCamp – AI Engineer for Data Scientists Associate – 2025

- Prepare data for modeling using Python, assess and define modeling approaches and implement them
- Calculate metrics to effectively report characteristics of data and relationships between features using Python
- Use data visualization tools to demonstrate characteristics of data
- Demonstrate awareness of basic concepts in MLOps and LLMOps
- Prepare data for use in ETL and ELT pipelines
- Create prototype systems and applications that utilize generative AI

Dr. Angela Yu – Full-Stack Web Development Bootcamp - 2025

- I built quite a few websites using HTML5, CSS3, Flexbox, Grid, Bootstrap 5, JavaScript ES6, DOM, jQuery, and React.
- I also made APIs using Node.js, Express.js, and PostgreSQL.
- I got hands-on with SQL and NoSQL databases like PostgreSQL and MongoDB for CRUD operations.
- Using Git & GitHub to manage projects made collaboration much easier.
- I'm currently using this knowledge for creating my own website which is in progress.

BilgeAdam – Advanced Excel Certificate – 2025

- I did a lot of hands on stuff in Excel. Played with formulas, functions, pivot tables, charts, and dashboards.
- i used some macros. Learned a bit about modeling.

Akbank – Python Bootcamp – 2024

- I developed custom Python library system using OOP. It was my first time really organizing classes in projects, and I learned a lot in the process.

Turkcell - Geleceği Yazanlar – 401 – 2024

- I learned the basics of Python's object-oriented programming, data structures, algorithms, and some file handling.