

# Mehmet Alp Karatepe

## Computer Engineering Student

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Up-to-date version of CV is available at

<https://synwix.github.io/cv>

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Java	++++	C#	+++	C/C++	+++	Python	++++	JavaScript	++++	Node JS	++
Firebase	+++	Matlab	+	React JS	+++	Redux-Saga	+++	Django	++	Git	+++
HTML	+++	CSS	+++	Keras	++++	Tensorflow	++++	.NET	+	npm	++

Extensive knowledge of Data Structures and Algorithms, Object-Oriented Programming and Machine Learning. 2 years of experience and knowledge on Java, C, C#, Python and JavaScript. 2 years of study and experience on Machine Learning and Machine Learning frameworks such as Tensorflow and Keras, I also have several certificates from the Stanford Universities Machine Learning professor Andrew Ng's courses. I'm somewhat experienced in Front-end and Back-end engineering with 2 years of experience, with the usage of several frameworks such as React and MongoDB.

## Professional Experience

### Software Engineer Internship at JotForm

4 Months of Internship as a Front-End Developer at JotForm between May 2021 - Sep 2021 [jotform.com](https://jotform.com)

Worked with a team of developers, worked on a project that lasted for 4 months from start to finish as the front-end developer of the team. I have used JS, React and Redux-Saga for side effect management. Worked together closely with the back-end developer, UI Developer and the designer of our team closely, from which I have gained a great experience at project management as a team and working as a team on a project.

JavaScript React JS Redux-Saga HTML CSS

## Chat-App

Full-Stack Web App <https://chat-app-alp.netlify.app/>

The Web Application that I developed with the use of JavaScript, React, HTML, CSS in Front-End and with the usage of Chat Engine as the Back-End to store messages in real-time, at which I used JS to communicate with the API. You can test my web app with Username: Tester and Password: Tester.

JavaScript React JS HTML CSS Chat Engine API

## Teknofest Machine Learning Competition

Machine Learning Competition

We were a finalist with our team in a Machine Learning competition project as a group in Teknofest, which involves object detection we use Keras to develop a Machine Learning model for.

Keras Tensorflow Machine Learning Research

## Skills

### Machine Learning

I studied in a Machine Learning bootcamp at Datajarlabs, and also have taken an online course of Machine

Learning by Andrew Ng from Stanford University. I have been reading research papers in the field from various resources. I have done a project on Exploratory Data Analysis and done many assignments regarding model training with Linear Regression and Logistics Regression, and Boosting Algorithms at the bootcamp of Datajarlabs. [Here](#).

### **Java Programming**

I programmed in Java for a year before my first year and I have taken two programming courses in two semesters, both in java, done several projects as assignments and as well as side projects.

### **C Programming**

I have taken a Systems Programming course which also had C programming in its syllabus, which I learned extensively myself apart from the course work.

### **Linux and Shell**

All my courses on Programming and Algorithms required using linux as the OS for their labs and lessons. The Systems Programming class was focused mostly on unix and linux, consisting of unix kernel, shell, file system, shell programming, task control, signal capture and communication between tasks.

### **Data Structures and Algorithms**

The Programming, Computer Science and Discrete Mathematics for Computer Science courses has taught me the ability of Algorithmic thinking by both theory and applying.

### **Frontend**

I have used JavaScript, HTML and CSS on my small and relatively big web application projects, and I consistently learn new tools in this field such as frontend frameworks such as Angular and Vue, with Flutter and Figma to help the design process.

### **Backend**

I have used backend frameworks for both my small and relatively big web application projects such as NodeJS, Django and Rails, and backend services such as Firebase and AWS, and I consistently learn new frameworks and tools.

## **Education**

TOBB ETU Computer Engineering Bachelor's Degree [2019 - Ongoing]

## **Languages**

Turkish - Native

English - C2/Fluent

German - A1/Beginner

## **Certifications**

- [Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning - Coursera 6MCXCNUV5EVQ](#) - 01 May 2020
- [Convolutional Neural Networks in TensorFlow - Coursera WJLWN37S3Y8Z](#) - 03 May 2020
- [Neural Networks and Deep Learning - Coursera 4WZPHXYKWVVG](#) - 16 May 2020
- [Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization - Coursera MAN527VXLGZ8](#) - 18 May 2020
- [Structuring Machine Learning Projects - Coursera U8JU3C5GN8AX](#) - 19 May 2020
- [Convolutional Neural Networks - Coursera 6C6FKPLZEXH8](#) - 25 May 2020