

# Hasan Talha Çelik

Umraniye, Istanbul, TR | [GitHub](#) | [LinkedIn](#) | +905054539566 | [hasantalhahtc@gmail.com](mailto:hasantalhahtc@gmail.com)

Personal Website

## EDUCATION

### Gebze Technical University

Electronics Engineering / Bachelor's Degree  
GPA: 2.88

Kocaeli, TR

Jan 2023

## COURSES & CERTIFICATES

### Web Development

JavaScript, Azure, React.js, HTML, CSS, Node.js, Soft Skills

Koç Holding - Ctrl + Future

Jul 2023 - Sep 2023

### IT Fundamentals

Data Structures, Agile, Scrum

Patika.dev

Jul 2023

## WORK EXPERIENCE

### Arçelik Global

Frontend Developer Intern

Istanbul, TR

Dec 2023 - Mar 2024

- Acquired knowledge on centralizing HTTP requests with Axios and handling multiple promises for reusability and legibility
- Implemented an auth layer with Okta Auth and performed access token validation on the backend
- Created a custom hook for video tracking and updated the database every second
- Designed and developed a quiz system with 5 different question types and automated actions
- Skills: React.js, Okta, Axios, Redux, React Router

Software Engineer Intern

Nov 2023 - Dec 2023

- Acquired a foundational understanding of ROS2 through official documentation and resources
- Conducted experimentation within simulation environments, including Rviz and Gazebo
- Attended to daily scrums, sprint planning, and sprint review

### Elkon-Tr

R&D Engineer Intern

Istanbul, TR

Jul 2021 - Aug 2021

- Learned about fully electric and hybrid-powered vessels
- Made a presentation of the products of autonomous charging station manufacturers for electric ships to the R&D team
- Researched the types of ship charging stations and their working mechanisms
- Learned what to consider when preparing an international R&D project and wrote a project report with the help of an experienced engineer

### Kalyon PV

Electronics Engineer Intern

Ankara, TR

Jan 2021 - Feb 2021

- Learned about solar panel ecosystem and production
- Checked the electrical panels of the machines in the factory with an experienced technician and learned the functions of the electrical elements in the panel, learned how an induction motor works
- Performed simple PLC coding examples and examined the cable connections of the PLC that is actively working in the field

## PROJECTS

### FoodBase

Website Project



2023

- Built an e-commerce website where users can login with their Google accounts
- Constructed a page where the admin can add products in real time
- Designed it responsively for both mobile and desktop use
- Utilized: Next.js, Redux, Firebase, Tailwind CSS, Framer Motion, Adobe Illustrator

## Personal Website

Website Project



2023

- Leveraged Next.js for core site structure and Tailwind CSS for a modern and appealing visual design.
- Prioritized responsiveness to ensure seamless user experience across all devices.
- Experimented with CSS animations to provide a dynamic and interactive interface.
- Incorporated a portfolio section, featuring additional projects not highlighted in this resume.
- Utilized: Next.js, Tailwind CSS, Adobe Illustrator

## Notes Web App

Website Project



2023

- Built a note-taking app website that uses the same database as the mobile note app I have made
- Designed it responsively for both mobile and desktop use
- Utilized: React, Redux, Firebase, Tailwind CSS, Framer Motion, Adobe Illustrator

## Notes

Mobile Application Project - (Android & IOS)



2023

- Built a note-taking app for users who registered with their emails and passwords
- Configured interfaces for users to add new notes, update and delete their notes
- Created a home page for users to receive their notes from the database in realtime and also order them by time and title
- Utilized: Expo CLI, React Native, Redux, Firebase, React Navigation, RN Dropdown Picker

## Crypto Tracker

Mobile Application Project - (Android & IOS)



2023

- Fetched cryptocurrency data from an API and printed them into the home screen
- Configured a bottom sheet that displays a graphic and some details about cryptocurrency
- Utilized: Expo CLI, React Native, Bottom-Sheet, Animated-Charts

## Smart Traffic Optimization

Graduation Project



2021-2022

- Developed a model that performs image processing and object detection with Darknet
- Performed traffic light signaling for various intersections with the traffic density images taken from the simulation program
- Achieved a dynamic traffic model as a result of adaptive timed signaling according to the traffic density on a given road
- Utilized: Python, OpenCV Library, Google Colab, DarkNet, VISSIM

## Activity Detection with Accelerometer

Project

2021

- Developed a system that allows pulling data from a file that includes body positions and acceleration
- Detected movement, walking, running, and climbing stairs activities of the users with an accelerometer data

## SKILLS & INTERESTS

**Programming Languages:** JavaScript | C | Python | C++ | Matlab | Jupyter Notebook

**Web Technologies:** React | Next.js | Vue.js | Redux | Firebase | Okta | Axios | HTML | CSS | SASS | LESS | GIT | Bootstrap | Tailwind CSS | Styled Components | Responsive Design

**Back-end Technologies:** MongoDB | MySQL

**Mobile Technologies:** React Native | Flutter | Expo CLI

**Design Tools:** Figma | Adobe XD | Adobe Photoshop | Adobe Illustrator

**Languages:** Turkish (Native) | English (Professional Working Proficiency) | German (Elementary P.)

**Personal Interests:** Web Design | Image Processing | Photography | Graphic Design | Swimming | Volunteering Projects