

Hasan Talha Çelik

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Personal Website

EDUCATION

Gebze Technical University

Electronics Engineering / Bachelor's Degree

GPA: 2.88

Kocaeli, TR

Jan 2023

PROJECTS

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 before
- Designed it responsively for both mobile and desktop use
- Utilized: React, Redux, Firebase, Tailwind CSS, Framer Motion, Adobe Illustrator

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

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

Blog

Website Project



2022

- Experienced Next.js environment which uses SSR to render its pages
- Created a slug structure to make a unique web page for every individual blog post
- Benefited from the Vercel for the first time to publish the blog project on the internet
- Utilized: Next.js, Styled Components, Markdown-It, Gray-Matter, Adobe Illustrator

- Created my one of the very first React App with Mantine components
- Utilized: React, Mantine, Tabler Icons

- 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

- 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
- Determined the activity by comparing the energies of the obtained signals with the data pool
- Detected the user's current movement by filtering the available data using FFT functions

WORK EXPERIENCE

- 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

- Learned about solar panel 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

SKILLS & INTERESTS

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

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

Mobile Technologies: React Native | Expo CLI

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

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

Personal Interests: Web Designing | Image Processing | Photography | GraphicDesigning | Swimming | Volunteering Projects