

Adnan Yusuf

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Education

Istanbul Arel University

Bachelor of Science in Computer Engineering (GPA: 3.57 / 4.00)

June 2025

Istanbul, Turkey

Experience

B Tech Analytics Technology

Mar 2025 – Present

Software Engineer Intern

Istanbul, Turkey

- Developed a Business Intelligence (BI) solution to track competitor product pricing and marketing campaigns using Solid Start, Tailwind, and Apache ECharts, enabling companies to make data-driven decisions.
- Designed and implemented interactive dashboards with dynamic charts and filters; built API backend for seamless data fetching from SQLite database, enhancing system performance and user experience.
- Led the transition of the company's landing page from Bootstrap and jQuery to Tailwind CSS, improving performance, maintainability, and responsiveness.

Erasmus Student Network (ESN) - Arel Section

Sep 2024 – Jun 2025

Web Project Administrator WPA

Istanbul, Turkey

- Managed and updated the ESN wiki to ensure all information was accurate and up-to-date for members.
- Coordinated and uploaded the latest events, news, and announcements to the ESN website.
- Collaborated with the team to improve web functionalities, ensuring a smooth user experience for university students participating in the ESN community.

Projects

Eco Transcribe | React Native, Spring Boot, Spring AI, FastAPI, Whisper, Llama, PostgreSQL, MongoDB, Spring Cloud Eureka

A mobile application that leverages **AI models** for real-time **transcription, summarization, and translation**.

- **Architected microservices:** **Spring Boot** for business logic, **FastAPI** for real-time transcription with **OpenAI's Whisper**, and **Meta's Llama** for **NLP tasks (summarization, translation)**.
- Built real-time transcription service with **FastAPI** and **Whisper**, enabling live audio recording, segmentation, timestamping, and **WebSocket**-based asynchronous processing.
- Deployed **NLP microservice** with **Meta's Llama** for **summarization, translation, and chatbot**; utilized **Spring Cloud Eureka** for dynamic service discovery and fault-tolerant communication.

Apartment-seeker | NodeJs, MongoDB, ExpressJs, EJS, Bootstrap, PassportJs, Socket.io

A full-stack web app where you can post and search for apartments and also chat with the post owners.

- Created frontend with **EJS** and **Bootstrap**, integrating **Mapbox maps** to facilitate locating posts based on desired locations.
- Developed an **Express Node** backend with **MongoDB** for seamless **CRUD operations**, enabling users to register, login, post, and edit content. Also integrated real-time **chat functionality** using **Socket.IO** and stored messages in **MongoDB**.

Setup-spot | React, NodeJs, MongoDB, ExpressJs, Redux, HTML, CSS, PassportJs

A web app where users can share setups of their gaming, podcast, and streaming setups.

- Developed a comprehensive **MERN stack** application with **React** for the frontend, utilized **Redux Toolkit** for state management.
- Implemented an **Express Node** backend with **MongoDB** for seamless **CRUD operations**, allowing users to share gaming, podcast, and streaming setups.

Technical Skills

Languages: Javascript, Python, SQL, Typescript, HTML, CSS, Tailwind CSS, Bootstrap, Python

Technologies: React.js, Django, Spring Boot, Express.js, TensorFlow, Bootstrap, Node.js, React Native, NodeJs, MongoDB, SolidStart, SolidJs, MySQL, NextJs, Redux, Spring Hibernate

Testing/Deployment: Docker, Jest, Netlify, JUnit, Mockito, Pytest, Spring Test, Github, Git, Gitlab