

# Abderrahmen Malouche

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## EDUCATION

### Technical University of Budapest

Bachelor of Engineering

Budapest, HU

Expected Jan 2025

- Major in Computer Science Engineering;
- Cumulative GPA: 3.5/5.0;
- Relevant Coursework: Web Development ; Software Engineering ; Algorithms; Application Development

## WORK EXPERIENCE

### TECH MAHINDRA.

Customer Support Associate

Budapest, HU

May 2021 – Sep 2024

- Played a pivotal role in optimizing AI-generated responses, enhancing response accuracy by 40% and significantly reducing processing time by 25%. Contributed as a key member of a 20-person team over 2 years
- Aggregated unstructured data from 20+ sources to build the foundation of a new product; led to \$100,000 in new revenue
- Collaborated effectively within a team of over a 20 members , over two years

## PROJECTS

### E-commerce Store

Apr 2023 - Jun 2023

- Developed a dynamic e-commerce platform using ReactJS for the frontend and Node.js with Express for the Backend, serving over 500+ users.
- Deployed JWT-based user authentication, managing over 500 product listings, shopping carts, and order processing with MongoDB.

### Blog Platform

Jul 2023 – Sep 2023

- Designed a responsive blog platform where users can create, edit and delete posts using ReactJS for the UI and Node.js for server – side operations , with an average of 10+ daily active users
- Set up a MongoDB database for storing posts and user profiles, and created REST APIs to manage post creation and user authentication., reducing server response time by 15%
- Implemented user authentication using JWT , enabling secure login for over 50 users , and built basic CRUD operations for managing blog posts.

### Real-Time Chat App

Jan 2023– Apr 2024

- Created a real-time chat application using ReactJS and Socket.IO for instant messaging, handling up to 100 concurrent users
- Constructed the backend with Node.js and Express, enabling real-time user connections and communication across multiple chat rooms with 99% uptime during testing
- Utilized MongoDB for storing user profiles and chat history, providing data persistence for over 200+ conversations daily

### Beevolve (Coaching Website)

July 2024– Present

- Developed a coaching website using ReactJS with TypeScript for a modular frontend Structure
- Integrated Node.js with Express for the backend, handling user authentication and session management for up to 200 users
- Implemented real-time updates with WebSockets, and used GraphQL for efficient data fetching

## SKILLS

**Frontend Technologies:** Proficient in ReactJS, React Native, JavaScript, and TypeScript.

**Data Handling:** Experience with GraphQL and real-time data fetching techniques.

**Backend Collaboration:** Knowledge of Node.js and familiarity with back-end technologies .

**Responsive Design:** Skilled in building responsive, user-friendly interfaces for diverse devices.

**Performance Optimization:** Proven ability to optimize frontend performance and ensure smooth, efficient user interactions.

**Version Control:** Proficient in Git, GitHub.

**Languages:** Native in Arabic; Fluent in French, English; Conversational proficiency in German.