



Mohamed Bakour

Software Engineer

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EDUCATION

Istinye University | *Bachelor's Degree in Software Engineering*

Istanbul, Türkiye | 2022 – 2026

- Current Cumulative GPA: **3.41 / 4.00**

SKILLS

- **Technical Skills** JavaScript, TypeScript, React.js, Vue.js, Node.js, Express.js, Nest.js
React Native, MongoDB, PostgreSQL, Python, SQL, AWS, OOP, AI/ML, Git
- **Language Skills** English (C1) Arabic (Native) Turkish (A2)
- **Professional Skills** Collaboration and Teamwork Project and Time Management
Problem-Solving Skills Strong Communication Skills
Adaptability Quick Learner

CERTIFICATIONS

- **MongoDB Node.js Developer Path** MongoDB University | 2023

ACTIVITIES

- **Participated in “The Leadership Hackathon” in İbn Haldun University and achieved the first place** Istanbul, Türkiye | 2025

PROJECTS

- **AI-Powered Smart Wound Dressing with Real-Time Monitoring** [GitHub repo](#)
 - Applied machine learning to train models on medical datasets with Scikit-Learn
 - Integrated generative AI and LLMs using Google Gemini API to generate patient analysis
 - Exposed models with Flask and built a Vue.js + TypeScript web interface for real-time monitoring
- **Real-estate Platform Web App** [Live demo](#)
 - Built a full-stack property listing platform using the MERN stack and TypeScript
 - Designed the UI in Figma and implemented it with React and Tailwind CSS
 - Developed a REST API with Express, integrating authentication, filtering, and file uploads on S3
- **Social Media Reels Web App** [Live demo](#)
 - Created a social media platform for short videos using React, Express, Node, and MongoDB
 - Built a REST API with Express, handling authentication, email verification, and infinite scrolling
 - Stored user data in MongoDB and video files on AWS S3 for efficient media management
- **Node.js Library for Creating Filesystem JSON Databases** [Live demo](#)
 - Developed and published a Node.js NPM package for creating filesystem-based JSON databases
 - Implemented database operations with OOP, enabling CRUD and query functionalities
 - Explored NPM publishing, making the library accessible for developers

More projects and demos available on my portfolio: bakour.dev