Mohamed Zakaria Cherki

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EDUCATION

Altınbaş Üniversitesi   *2021 - Present*
Major: *B.S. in Software Engineering, Class of 2025*
Relevant Coursework: Object-Oriented Programming, Linear Algebra, Calculus, Embedded System Design, Data Structures and Algorithms

EXPERIENCE

EARTech Information Technology   **August 2025 - Present**
Internship-AI & Cybersecurity

- **UI/UX Design:** Designed a mobile app from scratch using **Figma**; collaborated with a team on wireframes, prototypes, and user flow optimization.
- **Web Development:** Built web applications with **PHP, Laravel**, and modern web tools, including a **task manager** and **store management system**.
- **Cybersecurity:** Practiced penetration testing, port scanning, and vulnerability exploitation using **Kali Linux, Metasploit,** and **Hack The Box** labs.
- **Artificial Intelligence:** Integrated AI services on **Microsoft Azure** (AI Foundry, Chat Playground, Image Playground); implemented translation, image detection, and document/receipt processing with **Python**.
- **DevOps & Collaboration:** Collaborated with a team of interns on a social media and marketplace project, managing version control through Git actions (branching, merging, pulling) and implementing CI/CD pipelines using GitHub Actions.
- **Deployment & Integration:** Applied knowledge of API key management and deployed AI models into real-world projects.

COMPUTER PROGRAMMING AND ADDITIONAL INFORMATION

- **Programming:** C, C++, Java, HTML/CSS, JavaScript, C#, React
- **Languages:** Arabic (native), English(Proficient), French (Intermediate), Turkish (Basic)

PROJECTS

Clinic Management System - *(React, Node.js, Express, MongoDB)*   **May 2025**
Built a healthcare management system with role-based portals for patients, doctors, and admins.
- Implemented real-time chat with Socket.IO and secure authentication using JWT.
- Integrated Cloudinary for medical file uploads and Nodemailer for automated appointment emails.

Chat Application - *(ASP.NET Core, C#, Angular, MongoDB, SQL)*   **July 2025**
Developed a full-stack chat platform with user authentication and secure password hashing.
- Enabled one-to-one and group messaging, including group creation and management.
- Added real-time online/offline status indicators to enhance user experience.

Product Catalog System - *(PHP, Laravel, MySQL, Cloudinary)*   **August 2025**
Designed and implemented CRUD operations for products with category management.
- Built a statistics dashboard with real-time product and category insights.
- Integrated Cloudinary for cloud-based image storage with drag-and-drop uploads and automatic cleanup.