Osama Saud Mohamed

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Türkiye/Ankara

PROFESSIONAL SUMMARY

Motivated and detail-oriented Computer Engineering graduate with comprehensive experience in full-stack web development (MERN stack), machine learning, and cybersecurity. Adept at designing, developing, and deploying secure, scalable, and efficient applications. Proven ability to solve complex technical problems, work collaboratively in agile teams, and deliver projects that meet business requirements. Strong foundation in software engineering principles combined with hands-on expertise in data analysis and cybersecurity best practices. Passionate about continuous learning and applying innovative technologies to drive impactful solutions.

EDUCATION

Bachelor of Science in Computer Engineering

 Ostim Teknik University – Faculty of Engineering   **Graduated**: July 2025

Graduation Project – HealthBridge: Hospital Appointment Management System Developed a full-stack appointment system using the MERN stack with secure role-based access. Implemented EHR, messaging, notifications, chatbot, and real-time analytics dashboards.

Tools: React, TypeScript, MongoDB, Node.js, JWT, Cloudinary, Zod, Chart.js

Relevant Coursework

- **Machine Learning & Artificial Intelligence** – Algorithms, model evaluation, and real-world applications using Python.
- **Cloud Technologies Fundamentals** – Cloud infrastructure, deployment models, and service models (IaaS, PaaS).
- **Data Structures & Algorithms** – Core programming concepts including sorting, searching, trees, and graph algorithms.

TECHNICAL SKILLS

Languages: Python, C, C++, Java, JavaScript, TypeScript, Shell
Web Development: HTML, CSS, React, Bootstrap, Express.js, Node.js
Databases: SQL, PostgreSQL, SQLite, MongoDB
Tools & Libraries: Git, GitHub, Pandas, NumPy, scikit-learn, XGBoost, TensorFlow, Chart.js
Operating Systems: Linux, Windows
Other: REST APIs, JWT, Cloudinary, Multer, Framer Motion, Axios

EXPERIENCE

DataCamp – Remote

Machine Learning Scientist Intern | March 2025 – June 2025
Built and evaluated machine learning models using Python, scikit-learn, and XGBoost. Focused on classification and regression tasks, including data preprocessing and model tuning.

Machine Learning Intern | June 2024 - July 2024
Analyzed large datasets using Python and SQL, extracting insights and building predictive models. Utilized Pandas, NumPy, and Matplotlib for data manipulation and visualization.

Associate Data Science Intern | January 2024 - February 2024
Worked on ML projects using Python, TensorFlow, and Scikit-learn. Handled data cleaning, model evaluation, and optimization processes.

Cisco Networking Academy – Remote

Cybersecurity Intern | June 2023 – July 2023
Focused on network security, risk management, and threat detection. Completed hands-on labs to simulate network attacks and defense strategies.

MAYDATA Bilgi Teknolojileri – Ankara, Turkey

Cybersecurity Blue Team Intern | January 2023 - March 2023
Monitored networks, detected threats, and collaborated on incident response protocols.

Cybersecurity Red Team Intern | June 2022 - August 2022
Conducted penetration tests, used Nmap and Metasploit for vulnerability assessment.

PROJECTS

HealthBridge – Hospital Appointment Management System
MERN stack system with role-based access, EHR, chat, notifications, and analytics.
GitHub: https://github.com/o36j/healthbridge

QR Code Scanner Android App
Built in Java using Android SDK and ZXing library for scanning and generating QR codes.
GitHub: https://github.com/o36j/QR-Code-Scanner-Android-App.git

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CERTIFICATIONS

Machine Learning Scientist with Python – *DataCamp*

Extreme Gradient Boosting with XGBoost – *DataCamp*

CyberOps Training – *Cisco Networking Academy*

LANGUAGES

Arabic (Native) - English (Fluent) - Turkish (Intermediate) - Somali (Native)