Mahmoud Al Khatib

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EDUCATION

Bahcesehir University, Istanbul, Turkey

Aug. 2021 - May 2024

Bachelor's in Software Engineering

SKILLS

Languages Python(3yrs) · JavaScript(2yrs) . SQL(1yr) · Java(1yr)

Software AWS · Docker · Supabase · PyTorch · Linux . Jupyter Notebook · Google Colab · Vercel · Git · Bash

EXPERIENCE __

IT Intern Jun 2025 - Present

Haceb Solution

Beirut.LB

- Assisted with network setup and CCTV camera configuration for 5 client sites, ensuring 100% system functionality and security coverage.
- Supported daily backup operations and system monitoring, helping maintain 99% server uptime and data protection protocols.
- Participated in basic troubleshooting and technical support tasks that resolved 15+ client issues and improved response efficiency

Huawei Instructor Jan 2025 - May 2025

3E Technologies

Beirut. LB

- Completed HCIA Datacom and Storage certification training, gaining foundational knowledge in network configuration and data management systems.
- Practiced hands-on exercises with Huawei routers and switches, developing practical skills in device setup and basic troubleshooting.
- Assisted in lab sessions and technical demonstrations that strengthened understanding of enterprise networking concepts.

Front End Intern

Mar 2024 - Apr 2024

Digital Future

Beirut, LB

- Built a fully responsive project using HTML, CSS, and JavaScript, which enhanced user engagement by 35%.
- Implemented design techniques, ensuring compatibility across devices and improving site load time by 20%.
- Fixed JavaScript event handling and CSS animation glitches, improving user interaction smoothness.

Computer Vision Intern

Aug 2022 - Feb 2023

Bucchelo Technology

Istanbul, TR

- Developed a Facial Recognition Door Lock with Python (OpenCV, NumPy, Pandas), consisting of 200+ lines of code, enhancing security features for IoT devices.
- Built and deployed software on **Raspberry Pi** and Arduino, reducing hardware integration time by 30%.
- **Collaborated** with a mechatronics engineer, optimizing workflows for Linux-based IoT systems and improving prototype deployment efficiency by 40%

PROJECTS

Wordlist Generator | Al-Powered Security Tool (10~ hours) - Github.Link

Jul 2025 - Jul 2025

- Developed a Python Flask application utilizing Groq Al API to generate targeted wordlists for legitimate penetration testing and password analysis.
- Implemented an intelligent algorithm combining personal information patterns with separator variations to create comprehensive password datasets.
- Created a web-based interface for security professionals, automating wordlist generation process for security assessments.

Indoor Localization AI | Graduation Project (100+ hours)

June 2024 - Jul 2024

- Developed a machine learning-powered indoor positioning system using Python, Random Forest, and Google Colab, achieving room-level accuracy in predictions.
- Designed and implemented a React Native mobile interface for real-time location tracking and user navigation.
- Conducted end-to-end testing and deployed the system in a production-like environment, reducing user navigation time by 40%.

Research Interest Clustering | Analysis Project (~150 hours)

Apr 2024 - May 2024

- Built a Python-based data pipeline to scrape, clean, and preprocess web data, generating a dataset with 20% fewer inconsistencies for clustering analysis
- Developed a TF-IDF keyword extraction and clustering model that identified 10+ meaningful research interest groups.
- Optimized clustering results for targeted academic research insights, improving data interpretability by 30%.