Mahmoud Al Khatib

Beirut, Lebanon | khatib.mahmut@gmail.com | linkedin.com/in/mahmud-hatib | github.com/1stMamut | Portfolio

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 | AI-Powered Security Tool *(10~ hours)* - Github.Link *Jul 2025 - Jul 2025*
- Developed a Python Flask application utilizing Groq AI 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%.