

RAED MASRI

Computer & Communications Engineer

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SUMMARY

Computer & Communications Engineer with a Master's degree and hands-on experience in software development, data analytics, machine learning, and network systems. Strong foundation in front-end and back-end development, REST APIs, data preprocessing, and model evaluation. Open to software engineering, data, AI, IT support, networking, and telecommunications roles.

EXPERIENCE

Front-End Web Developer Trainee | NavyBits Jan 2025 - Mar 2025

- Built responsive UI components using ReactJS, HTML5, CSS3, and JavaScript to improve usability across desktop and mobile devices.
- Created reusable front-end components and supported centralized state management, helping reduce duplicate code by about 30%.
- Refactored component logic to improve rendering performance and strengthen accessibility compliance.

Python Training Program | SE Factory Sep 2024 - Nov 2024

- Completed intensive Python training focused on data structures, algorithms, and object-oriented programming.
- Solved 10+ algorithmic problems involving sorting, searching, and graph traversal to strengthen debugging and problem-solving skills.

AI & Data Analytics Intern | Eurisko Jul 2024 - Aug 2024

- Cleaned and preprocessed datasets using Pandas and NumPy to prepare data for machine learning workflows.
- Performed exploratory data analysis to identify patterns, trends, and feature relationships across datasets.
- Built and evaluated machine learning models, including neural networks, and improved performance through hyperparameter tuning.

Back-End Web Developer Intern | Eurisko Feb 2024 - May 2024

- Developed REST APIs using Node.js, Express.js, and NestJS to support front-end integration.
- Designed MongoDB schemas for efficient data storage and querying and implemented JWT-based authentication.
- Collaborated with front-end developers to maintain consistent API contracts and smooth integration.

PROJECTS

Heart Disease Detection System

- Built an end-to-end machine learning pipeline in Python to predict heart disease risk from clinical data.
- Applied PCA for dimensionality reduction and compared Decision Tree, Naive Bayes, and KNN models based on accuracy and recall.

Diet System Mobile Application

- Developed an Android application that generates personalized meal plans based on user body metrics and health goals.
- Implemented adaptive recommendation logic to update meal suggestions according to user progress and dietary objectives.

E-Commerce Web Application

- Built a full-stack e-commerce application with ReactJS, user authentication, product listings, and shopping cart features.
- Managed database operations for product and user data with full CRUD functionality and strong data integrity.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, C++

Frameworks: ReactJS, Node.js, Express.js, NestJS

Databases: MongoDB, MySQL

AI / Data: Machine Learning, Neural Networks, Scikit-learn, Pandas, NumPy, EDA, Data Analysis

Networking: TCP/IP, OSI Model, Network Protocols, DNS, DHCP, Linux

DevOps / Cloud: Git, GitHub, Docker, AWS, REST APIs, CI/CD

Security: JWT Authentication, OAuth, Secure API Design, Authorization

Tools: VS Code, Postman, Android Studio, Microsoft Office

EDUCATION

M.Sc. Computer & Communications Engineering | Lebanese International University | 2020 - 2022

B.Sc. Communications Engineering | Lebanese International University | 2017 - 2020 | GPA: 3.48 / 4.0

LANGUAGES

Arabic (Native) | English (Advanced) | French (Advanced)