

ZAKARIYA SALEH

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SUMMARY

Motivated Telecommunications and Computer Engineering student with hands-on experience in networking (CCNA), programming, and machine learning projects in telecom. Fast learner with strong problem-solving and teamwork skills, actively seeking industry internships.

EDUCATION

Telecommunications and Computer Engineering

October 2023 - June 2028

Lebanese University-Faculty of Engineering

- Relevant coursework in Programming(C/C#), Networking, Statistics, Probability, Databases, Data Analysis Fundamentals and Machine Learning.

CERTIFICATIONS

- Cisco Networking Basics
 - Cisco CCNA1: Introduction to Networks
 - Cisco CCNA2: Switching, Routing, and Wireless Essentials
 - Cisco Ethical Hacker
 - FreeCodeCamp: Scientific Computing with Python
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PROJECTS

- **Network Anomaly Detection - NSL-KDD Dataset** - [github](#)

Built an XGBoost classifier to detect network attacks, performing both multi class and binary classification. Achieved 0.865 accuracy for multi-class and 0.872 for binary. Provided feature importance analysis and insights into network anomalies.

- **Bank Management System (C#, MySQL, WinForms)** - [github](#)

Role-based banking desktop application with secure authentication, customer/account/transaction management, loan handling and audit logging. Built using layered architecture with MySQL integration.

- **CCNA Hands-On Lab Experience**

Completed 30+ physical and virtual labs on VLANs, inter-VLAN routing, EtherChannel, IPv4 subnetting and VLSM, router and switch configuration including SSH, and WLAN, applying CCNA concepts through hands-on troubleshooting and configuration.

TECHNICAL SKILLS

- Programming languages: C, C#, python
- ML & Data Analysis: Supervised & unsupervised learning, regression, clustering, Random Forest, neural networks, statistics, probability, Excel, MySQL
- Networking: Routing & switching, subnetting, packet analysis, VLANs, network configuration & troubleshooting, network documentation & topology design
- Tools & Libraries: Linux, Windows, MATLAB, Wireshark, pandas, NumPy, scikit-learn, TensorFlow, NetworkX, Scapy

SOFT SKILLS

- Teamwork, communication, strong work ethic, fast adaptability
- Languages: Fluent in English, Arabic and French