Adnan Hashem Mohamed

Personal Information

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Experience

❏ **Software Development Intern @ CERN (Jun-Aug 2023)**
- Developed & tested parts of the software to control & configure the front-end chips in the Endcap Timing Layer (ETL), which is part of the MIP Timing Detector in the CMS experiment.
- Participated in the lecture program and workshops as part of the CERN Summer Student Program.

❏ **Math Tutor @ American University of Bahrain (Sep 2022 - Present)**
- Provided 1-to-1 tutoring sessions in various math courses (e.g. Calculus, Discrete Math, Probability & Statistics)

❏ **Digital Systems Teaching Assistant @ American University of Bahrain (Sep-Dec 2022)**
- Lead lab sessions for this course.
- Assisted in grading assignments & lab exercises and provided feedback.

❏ **Software Development Intern @ VirtuThinko (Jun-Sep 2021)**
- Design, document and implement a voting application for the company.
- Write articles about the security services provided by the company (for marketing purposes)

❏ **Desktop Support @ Kent State University (Jan-Jun 2020)**
- Stayed with the team during the first weeks of covid to help in a successful transition to online work and learning.
- Helped many users with issues related to Office 365 suite application on campus and online.
- Worked on backing up and restoring workstations.

❏ **Food Service Agent @ Kent State University (Sep-Nov 2019)**

Education

❏ **B. Sc. Computer Science** – American University of Bahrain, **3.88/4.00** (2021- in progress)
❏ **B. Sc. Computer Science** - Kent State University, **3.97/4.00** (2019- 2020) (Transferred)
❏ **Secondary School (Science & Math)** - Al Naim High School, **97.90**%. (2016-2018)

Certificates

- ❏ **Databases** offered by Stanford Online via edx
    - I.   Modeling and Theory – Mar 2023
    - II.   Relational Databases & SQL – Apr 2023
- ❏ **Machine Learning Specialization** offered by DeepLearning.AI & Stanford Online
    - I.   Unsupervised Learning, Recommenders, Reinforcement Learning – Aug 2022
    - II.   Advanced Learning Algorithms – Jul 2022
    - III. Supervised Machine Learning: Regression and Classification – Jun 2022
- ❏ **MATLAB Fundamentals** – October 2022
- ❏ **AWS Certified Cloud Practitioner** – August 2020
- ❏ **Juniper Networks Certified Associate (JNCIA - SEC)** – August 2020
- ❏ **Juniper Networks Certified Associate Junos (JNCIA - Junos)** – July 2020
- ❏ **Cisco Certified Network Associate (CCNA)** – July 2020
- ❏ **CMI Level 3 Certificate in First Line Management** – 2019

Achievements

- ❏ **1st place** in **MISTI Global Teaching Lab** Robot Competition.
- ❏ **2nd place** in INNOV8 Hackathon
- ❏ One of 60 candidates in the **Crown Prince International Scholarship Program (CPISP)** (2018/2019)

Skills

- ❏ Have fundamental knowledge of networking, **OSI layers** and **TCP/IP model** as a **CCNA certified**.
- ❏ Have fundamental knowledge of **networks security, security policies, IPsec VPNs** as *JNCIA-SEC and CCNA certified*.
- ❏ Hands-on experience in **front-end development** (HTML, CSS, and JavaScript/jQuery).
- ❏ Hands-on experience in **back-end development** (C# and ASP.NET CORE).
- ❏ Hands-on experience in **designing and implementing databases** (using MSSQL, MySQL).
- ❏ Implementation and theory of **Algorithms / Data Structures** (using C++, Java, & Python)
- ❏ Intermediate knowledge of **MATLAB**
- ❏ Intermediate knowledge of **Operating System concepts and principles**.
- ❏ Basic experience with **Linux** (Ubuntu).

❏ Using **Git & GitHub** for version control