

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)
- ❑ **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, **3.91/4.00** (2021- in progress)
- ❑ **B. Sc. Computer Science** - Kent State University, **3.97/4.00** (2019- 2020) (Transferred)
- ❑ **School Certificate (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
- ❑ **Excel Essential Training (Office 365)** – 2019
- ❑ **IELTS (band 7.0)** – 2018

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

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)