ATALLAH HADDAD

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QUALIFICATIONS SUMMARY

- Completed a Data Science and Machine Learning at RRC Polytech program with honors; certified in Python, SQL, and AWS.
- Expertise in database management, AI development, and technical communication.
- Analyzed real-world data to align solutions with stakeholder needs.
- Designed secure, scalable databases with encryption and efficient data models.
- Enhanced data structures using SQL and Python for machine learning.
- Advised on SQL, NoSQL, and graph databases to optimize data management and improve system performance.

RELEVANT EXPERIENCE

Software Consultant (PT) | CheeseCake Software Inc.   Sept 2021 – current | Remote
- Advise on selecting and optimizing software to meet business goals.
- Ensure seamless integration and performance of new software.
- Oversee software projects from planning to delivery.
- Provide training and support for effective software use.

Programmer Analyst 1 (Intern) | City of Winnipeg   May 2023 – Sept 2023 | Winnipeg
- Replaced 300 legacy devices, ensuring timely completion.
- Key role in setup, configuration, and installation.
- Optimized performance with hardware upgrades and software installations.
- Set up IP reservations and DNS for reliable connectivity.
- Resolved hardware, software, and network issues across departments.
- Streamlined IT operations through regular cross-department meetings.

EDUCATION

Data Science and Machine Learning | Red River College Polytechnic   Aug 2022 – May 2024 | Winnipeg
Diploma with Honors
- Studied Python, Matplotlib, Seaborn, machine learning, libraries (scikit-learn, TensorFlow, Keras), statistical techniques, hypothesis testing, data cleaning, data preprocessing, database management (SQL/NoSQL, Neo4j Cypher), and cloud computing (AWS, Azure).

Full Stack Java Developer | Canadian Mennonite University (ComIT)   January 2020 - April 2020 | Winnipeg
- Studied Java (syntax, data types, control structures), object-oriented programming, web development (HTML, CSS, and JavaScript), web application architecture, server-side programming, database connectivity, and Java frameworks (Spring, Hibernate, and Struts).

ACADEMIC PROJECTS

Enterprise Platform for Nanotechnology | Red River College Polytechnic
- Challenge: Build an enterprise platform integrating nanotechnology knowledge to enhance therapeutics in academia and pharmaceuticals.
- Action: Wrangling data from LLM annotation files (BRAT), clean, automate to find relevant information.
  Developed a search engine for relevant nanoparticle publications. Used AI tools to design nanoparticles and assess their safety.
  Integrated data into a graph database and created a web analytics platform.
  Implemented AI algorithms for safety prediction and biodistribution.
- Result: Significant progress has been made in integrating and automating data processes. The search engine for nanoparticles publications is operational, and preliminary AL models for safety prediction and biodistribution show promising accuracy.

PERSONAL PROJECTS

ASP.NET Core Web Application with Database Access
- Challenge: Built a web application using ASP.NET Core, integrated with a SQL Server Database, capable of performing CRUD operations.
- Action: Developed an ASP.NET Core Web Application connected to a SQL Server Database. Implemented CRUD functionality to Create, Read, Update, and Delete data. Ensured seamless data interaction between the web application

and the database.
- Result: Successfully deployed a fully functional ASP.NET Core Web Application with robust database access, demonstrating proficiency in web development and database management.

Responsive React Portfolio Website
- Challenge: Created a responsive portfolio website using React, featuring a light & dark mode.
- Action: Built and deployed a responsive React portfolio website. Applied React fundamentals, refactored code into components, and integrated light & dark mode theme switching. Utilized tools like GitHub, Visual Studio Code, and Netlify for deployment.
- Result: Launched a professional portfolio website with enhanced user interface features, improving web development skills and showcasing a modern design.

ADDITIONAL EXPERIENCE

N95 FIT TESTER (PT/FT Term) | Shared Health	Sep 2020 – Sep 2022 | Winnipeg
Video Editor (casual) | Douglas Mennonite Church	Jul 2021 – Sep 2023 | Winnipeg
Manager | Maggi's Restaurant	Apr 2019 – Nov 2019 | Winnipeg
Courier | SkipTheDishes	May 2019 – Apr 2019 | Winnipeg
Audio Technician | Self Employed	Mar 2011 – Feb 2018 | Syria, Jordan
Corporal | Syrian Military	Mar 2011 – Feb 2018 | Syria

TRAINING & PROFESSIONAL DEVELOPMENT

Next.js | Udemy	Jan 2024 | Online
Neo4j Cypher | Udemy	Jan 2024 | Online
Foundations of Cybersecurity | Google	Jun 2023 | Online
CS50 Introduction to Computer Science | Harvard University	Aug 2020 – Dec 2020 | Online
Flutter Developer | App Brewery	May 2020 –July 2020 | Online
Full Stack Python Developer | Udacity	Nov 2019 – Feb 2020 | Online
ESL | Red River College - Language Training Center	Sep 2018 – Jan 2020 | Winnipeg
A+, N+ | AL Mamoon College	Jan 2005 – Jan 2006 | Damascus

VOLUNTEER

The Salvation Army	Jun – Aug 2018 | Winnipeg
Entry Program	Mar – Apr 2018 | Winnipeg

INTERESTS

Ethical Hacking, Reverse Engineering, LLM, Deep Learning, Computer Vision, and AI.