Ghaiath Antoun Abdoush

Data Scientist | Machine Learning Developer

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SUMMERY

Data Science Specialist at Department of Education and Knowledge (ADEK) in Abu Dhabi. Experienced in analyzing complex data sets to improve educational outcomes. Holding certifications in Python, Linux, and Machine Learning, with hands-on experience in Python development, data analysis, and data science. Skilled in Tkinter, Keras, PyTorch, TensorFlow, and Docker. Awarded first place twice for innovative machine learning and AI projects, showcasing a commitment to practical and impactful solutions.

SKILLS

Programming Languages: Python, R, C/C++, Rust, Java, HTML5, CSS, JavaScript, TypeScript
Web Frameworks: React, Next.js, Nest.js, Prisma, WordPress
Database Management: PostgreSQL, SQL, MySQL, MariaDB
Machine Learning Frameworks: TensorFlow, Keras, PyTorch, Tkinter, Scikit-learn, Open-CV, Azure ML
Data Analysis and Business Intelligence: Power BI, Pandas, NumPy, IBM SPSS, IDB Analyzer
Others: NGINX, Networking, Unit Testing, Linux, Shell Scripting, Docker, Git, MS Office
Soft Skills: Project Management, Teamwork, Time Management, Debugging, Creativity, Rigorous, Self-Taught, Communication, problem-Solving

PROFESSIONAL EXPERIENCE

Data Science Specialist - Department of Education and Knowledge - ADEK
UAE - Abu Dhabi
April,2024 - Now

- Analyzing complex data sets related to various aspects of student life in Abu Dhabi and the UAE.
- Providing insights from data to aid decision-makers in making data-driven decisions.
- Developing and implementing data models and analytics to improve educational outcomes using Azure.
- Collaborating with educational stakeholders to understand data needs and deliver actionable insights.
- Utilizing advanced statistical and machine learning techniques to analyze educational data.

Software Development Member - 42AbuDhabi
UAE - Abu Dhabi
May,2021 - Now

- Collaborated on innovative coding projects, enhancing skills in Python, C/C++, Java, etc.
- Contributed to real-world applications, gaining experience in software design and implementation.
- Actively participated in peer-to-peer learning and problem-solving sessions.

Blockchain and Web Developer
UAE - Abu Dhabi
Feb,2022 - Jan,2023

- Developed smart contracts for Dapps on various ecosystems.
- Assisted in UI development using JavaScript, TypeScript, React, and Node.js.
- Built unit test cases for smart contracts using Mocha, Chai, and TypeScript.
- Collaborated on enhancing smart contract security and creating new website features.

Python Developer
UAE - Dubai
Jul,2019 - Feb,2022

- Work closely with civil engineers to design and develop a software that calculate the dimensions of building's foundations using Python, Tkinter.
- Responsible for designing, coding, debugging, and developing the script.
- Assisting in troubleshooting the software.

- Use Dreamweaver, HTML5, and CSS to build several websites for clients through different online platforms.

RELEVENT PERSONAL PROJECTS

Sawt Al Ru'ya:
(1st place wining project in Computer Vision Hackathon 2023):
- Develop computer vision AI technology to analyze live video streams, swiftly converting them into real-time textual descriptions to empower individuals with visual impairments and blindness.

Early Chronic Kidney Disease Prediction (CKD):
(1st place wining project in the Healathon Hackathon)
- Develop and train a machine learning model to help with early prediction of CKD.
- Design and create a web application using flask to use the best of that model.

42 Abu Dhabi projects:
- Project to manage access to shared resources using threads & mutexes.
- Developing a data exchange program in client server architecture using Unix signals.
- Creating 3D game with ray casting engine using minilibx graphic library.
- Developing a Unix shell inspired by Bash.
- Writing Python script to build a smart solution that assigns, in a pseudo-random way, student seating for exams using 42 Intranet API.
- Building full stack website using Next.Js Nest.Js and PostgreSQL and Prisma to manage the database, the website includes a chatting service, a multiplayer ping-pong game, and friends' management system.

Solana Donation Platform:
- Project completed to participate in Crypto Academy Boot-camp
- Writing and developing a smart-contract on Solana blockchain ecosystem to manage a donation platform for multiple entities using Rust.

EDUCATION

Diploma in Software Development   **Abu Dhabi, UAE**
42 ABU DHABI CODING SCHOOL (42 NETWORK)   **2021-2023**

Bachelor of science -Computer science   **Abu Dhabi, UAE**
UOP - USA (ONLINE DEGREE)   **2020-now**

Bachelor of science -Agriculture Engineering   **HOMS, SYRIA**
AL BAATH UNIVERSITY   **2011-2016**

CERTIFICATIONS

CertNexus Certified Data Science Practitioner – CDSP | CertNexus | August 2024
Multi-Backend Deep Learning with Keras | Udacity | March 2024
Data Analysis and Visualization with Microsoft Power BI | Udacity | January 2024
Supervised Machine Learning: Regression and Classification | Stanford Online | May, 2023
Building Deep Learning Applications with Keras 2.0 | LinkedIn | April, 2023
Hands-On PyTorch Machine Learning | LinkedIn | April 2023

Machine Learning and AI Foundations | LinkedIn | March 2023
PCAP: Programming Essentials in Python 0820 wr | Cisco Networking Academy | August 2021
Python Data Structures | University of Michigan, Coursera | January 2021
Python Certificate | HackerRank | August 2021
NDG Linux Essentials course | Cisco Networking Academy | July 2021