Ahmed S Ali
Machine Learning Engineer and Cloud Developer

Goal oriented Machine Learning Engineer with ==creative solutions and lateral thinking==. Experienced in developing full-stack applications using modern tools and processes. Skilled in implementing Machine Learning algorithms to drive business value. Able to learn new technologies and apply them using ==principles and methodologies.==

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Experience

Sharpest Minds
Fellowship — Full Stack ML Application
Technology: Python, React, AWS, Flask, Spacy, NLTK, DynamoDB ==(NoSQL?)== ==TBC==
Intelligent Applicant - Design a new experience for Job-seekers
- Manipulated unstructured textual data from job boards to build an intelligent and interactive application for applicants to help applicants get job-ready
- Developed a Natural Language Processing (NLP) model to extract key information like required Skills & Experience from job descriptions.
- Deployed the application and expanded the pipeline using AWS to increase efficiency and automation add MLOps to employ Continuous Improvement / retraining clustering algorithm
- Designed an intuitive user interface focused on ease of use, and ==comprehensive results?==
- Used clustering algorithms to understand the overlap of skills within and across domains
- ==Created a recommender system to provide tailored advice using users' existing skills (extended use case)==
- ==Used information from real roles/companies to help users understand the career path resumes.indeed.com (extended)==

Hong Kong University of Science and Technology
Specialization — Full Stack Web Development with Angular
Technology: Angular, Node.js, npm, Bootstrap, ExpressServer, Postman, ==mongoDB?==
- Built unique webpages with client-side JavaScript frameworks and the Angular framework to implement a functional front-end web application using Angular.

- Created single page applications in Angular using various features including directives, components, and services.
- Used Angular Material, Angular Flex-Layout, Observables and RxJS for designing responsive Angular applications.
- Made use of server-side concepts, such as CRUD and REST using NoSQL database in MongoDB and communication over JSON and XML.
- Configured backend servers using NodeJS framework Express.js.
- Built a RESTful API for the front-end to access backend services and setup Local & OAuth authentication, and HTTPS security.

IBM
Professional Certificate - Data Scientist

- Made RESTful API calls to the Foursquare API to retrieve data about venues in different neighborhoods around the world.
- Creatively addressed situations where data was not readily available by scraping web data and parsing HTML code.
- Utilized Python and its pandas library to manipulate data to refine skills for exploring and analyzing data.
- Used the Folium library to generate maps of geospatial data and to visually communicate results and findings.

Coursera — Modeling Data Warehouses using Apache Hive
Created a data warehouse by using a star schema modeling technique Built tables in the database using Apache Hadoop and Apache Hive.

EDUCATION

Carleton University, Ottawa — *Bachelor of Electrical Engineering*
JAN 2013 - JUL 2017

EXPERIENCE

RBC, Toronto — *Advisor, Banking*
NOV 2020 - PRESENT

Provided client-focused sales expertise and natural problem-solving skills to maximize each client interaction.

Helped clients with their banking, credit, and investment needs.

RBC, Toronto — Advisor, Travel

MAR 2020 - OCT 2020

Demonstrated flexibility, eagerness to learn, strong personal ethics, and a hunger for success.

Problem-solving and people skills, with the ability to build strong relationships and proactively connect with clients.

RBW Payments, Dubai — Account Manager

JAN 2018 - JAN 2020

Managed the inclusion of a 'Loyalty Rewards Program' to improve customer experience, while also offering partners more consumer data insight and increasing partner revenue by over 15%.

Developed customer relationships with more than 100 local businesses across all industries in 2 years.

TOOLS

Microsoft Excel

Python Programming

SQL

Scikit-Learn

Natural Language Toolkit (NLTK)

NoSQL databases

APIs

Apache Hadoop

Map/Reduce

Apache Spark

Splunk

HQL

Pentaho

SKILLS

Exploratory Data Analysis

Data Visualization

Predictive Modeling

Data Validation

Data Wrangling and Preparation

Data Warehouse

Database (DB) Design

Entity−Relationship (E-R) Model

Database (DBMS)

Extraction, Transformation, Loading (ETL)

Data Integration

Data Warehousing

Materialized View

Business Intelligence

Machine Learning (ML)

Algorithms

Time Series Analysis

Sentiment Analysis