

Mohammed Atik Faud

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Profile

- A full stack developer with over 3 years of work in the industry in multiple countries and companies.
- Experience in both a large multi-national corporate and an up and coming start up
- Diverse upbringing and background, contributing to a better understanding of the diversity of people and the diversity of solutions to a problem.
- Holding a [Transferrable Iqama](#) in Saudi Arabia.

Education

UNIVERSITY OF LIMERICK (Limerick, Ireland)

[Master's in software engineering/ Data Analytics branch](#) (September 2019 - September 2020)

Graduated with a Grade of 3.24

Course Modules: Machine Learning, Data Analytics, Big Data, Software Quality, Human Computer Interaction, Software Architecture

NITTE MAHALINGA ADYANTHAYA INSTITUTE OF TECHNOLOGY (Udupi, India)

[Bachelor of Science, Computer Science](#) (August 2013 – July 2017)

Graduated with a C.G.P.A. of 7.85

Placed at Oracle through on campus placement

Course Modules: Data Structures, Object Oriented Programming, Advanced Statistical Analysis, Unix Programming, Applied Business Analytics, Java, Data Warehousing, Python, Web Analytics, Business Intelligence, Database Management

Experience

Oracle (Bangalore, India)

[Programmer Analyst](#) (July 2017 – July 2019)

- Disaster Recovery System Administrator working on Cloud Environment
- Collaborated with multiple high level customers to set up and test disaster recovery protocols.
- Worked on Python and Shell scripting to automate tasks

Trackplan Software (Limerick, Ireland)

ReactJS Developer (October 2019 – October 2020)

- Developed 2 Progressive Web Applications using ReactJS to aid in Computer aided facilities management.
- Developed upgrades for security and scalability on the apps to accommodate needs of customers such as Australian Open, Talley's and AL-Hussam.
- Added functionalities such as Calendars, QR code scanning, iOS compatibility to apps.
- Performed onsite visits to customers in Saudi Arabia and within Ireland to address concerns and give app demonstrations

Lean Business Services (Riyadh, Saudi Arabia)

Senior Developer (November 2020 – Present)

- Developed a marketplace portal for hospitals and medical professionals
- Integrated the marketplace with the kingdoms "Seha" and "Anat" applications for medical services
- Used JWTs to ensure registered users can exclusively view and edit the marketplace ads
- Custom built themes and layouts as per the UI/UX requirements.

Projects

Developed a Coupon System for the University Postgraduate Union

Objectives:

To develop a system that postgraduates can log on to and purchase subsidized food and event coupons procured by the Postgraduate student union. To allow them to use the food coupons for on campus restaurants and delis.

Outcome:

Developed an application using the microservice architecture, whilst employing design patterns to realize quality attributes such as extensibility, maintainability and availability. Also learnt

how to derive business issue specific solutions over generic ones.

Technologies: Python, Flask, AWS

Final year project on developing an image search algorithm

Objectives:

To develop an image search algorithm based on the regression line of the Hoffman coefficients of an image. To transform the algorithm into reusable and efficient code with low runtime and maximum efficiency.

Outcome:

Managed to achieve up to 70% faster image searching using Linear Regression with about 30% trade off with accuracy.

Technologies: MATLAB, Python

Extracurricular project on programming Backward Forward heuristic as well as the Modified Backward heuristic using Python programming

Objectives:

To develop and test a robust code that solves single machine weighted penalty problems using the Backward Forward heuristic or using the Modified Backward heuristic keeping in mind exceptions and outliers.

Outcome:

Managed to complete the code so that it suits all test cases and gives the best possible solution and strategy.

Technologies: Python, GitHub

Machine Learning to predict loan approval

Objectives:

To perform extrapolatory data analysis and feature selection to get the most out of the dataset. To test different algorithms and techniques to find out which suits the problem best. To train a model to be able to classify applicants based on the data available.

Outcome:

Learnt how to identify skewness in a data set and the methods to negate its effect on the model.

Learnt the use of Random Forests in training a dataset and how to tune the hyper-parameters to achieve a sound model. Used SMOTE techniques to deal with the skewness.

Technologies: Pandas, Scikit Learn, GitHub, NumPy, Jupyter

Interests/Achievements

Attended Python training held by Oracle University to keep up to date with latest coding skills and techniques

Attended multiple Database and SQL trainings held by Oracle University. Used the same to develop into a reliable resource and major contributor to the team.

Attended multiple Personality and soft skills development talks by various resource persons such as Dr. Khalid Dossary(Personality development trainer at ARAMCO) and Prof. Ahmed Nuruddin(Professor at Prince Mohammed University).

Multiple certificates for various speaking and onstage activities.

Won the EduEx held in IISD for presenting a miniature model of an oil refinery.

Skills and Abilities

Programming Languages: Java, C++, Python, Go

Web: HTML, CSS, JavaScript, React

Cloud: Google Cloud Platform, Microsoft Azure, AWS

Databases: MySQL, IndexDB, Firebase

Data Analytics: Pandas, Scikit Learn, NumPy

Frameworks: Entity Framework, MVC, Apache Spark, Flask

Tools: GitHub, Slack, GitLab

Languages: English, Hindi, Urdu, Arabic

Behavioral Skills: Critical Thinking, Negotiation, Cognitive Flexibility

Organizations

Member of Computer Society of India

Member of SACA (Soft Skills and Associations)