Ali Almalki

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- Portfolio Website: https://almalkiali.com/
- LinkedIn: https://www.linkedin.com/in/ali-almalki-782166168/
- GitHub: https://github.com/AlmalkiHub

Personal Profile

A hardworking individual that is actively learning and always motivated and eager to acquire new knowledge and skills in the field of Data Science. Experienced working with large scale datasets, breaking down information, conducting in-depth research, experimenting, and applying interpretations to complex problems.

My diverse project portfolio demonstrates my experience within the entire data science pipeline, including data cleaning, data wrangling, data mining, exploration/visualisation of data, modelling and experimentation. Desirous of a Data Scientist position where solid computer science background and understanding of machine learning will be utilised.

Education

University of Bristol - UK, Bristol | Master of Science

Data Science, 2021

- **TIBS**: In this unit coursework, I have written a comparative review of two books where I discussed, compared, and contrasted the authors' ideas in these pair of books.
- **SDPA**: In this unit coursework, I have done three main parts: Software Development, Algorithm Analysis and Data Analytics.
- **LSDE**: In this unit coursework, I have architected a scaling application on AWS cloud and addressed my whole implementation in a comprehensive written report.
- **VIZ**: In this unit coursework, I have applied the knowledge gained in the unit to implement a whole lifecycle of carrying out a full visual analytics project.
- **TA**: In this unit coursework, I have developed a text analytics system for extracting entities from scientific documents abstracts and semantic relations.
- **AI**: In this unit coursework, I have built a regression model to predict the amount of nitrous oxide emitted, given values on other sensors in a given dataset.
- **DSMP**: A group project where we have analysed with two synthetic datasets provided by Lloyds Banking Group (LBG) containing bank transactional data that is very similar to real-world data.
- **Dissertation**: In this dissertation project I have done one of NLP applications which is fake new detection about COVID-19 and examined the value of both text and a social network structure for an automated misinformation detection system.

King Abdulaziz University - Jeddah, Saudi Arabia | Bachelor of Science

Information Systems, 2018 – GPA **(4.08/5.00)**

- **Dissertation:** In my undergraduate senior project, I have developed with my classmate a web analytical tool to enable users to collect tweets regarding Saudi universities either by User ID or by starting a real-time crawl in the backend. After collecting the data, the user can choose from our app menu to analyse the collected data in various techniques and informative visualisations.

Skills and Tools

- Data Mining
- Data Cleaning
- Data Wrangling
- Data Statistical Analysis
- Data Visualisation
- Data Modelling
- Machine Learning Algorithms
- ML Mathematics
- Statistics
- Linear Algebra
- Problem Solving
- Creative thinking

- Python Programming
- R Programming
- TensorFlow
- PyTorch
- SQL
- Git version control
- Linux
- Amazon Web Services (AWS)
- Advanced English Skills (IELTS Overall Score: 7.0/9.0)
- Communication and Collaboration
- Understanding of business needs.
- Teamwork

Experience

LECTURER | 01/2022 – 06/2022
University of Jeddah - Jeddah, Saudi Arabia

Lecturer at the Faculty of Computer Science and Engineering, University of Jeddah.

‣ Modules assigned to me to teach are as follows:

• Artificial Neural Networks (CCAI-321)
• Introduction to computer science and programming (CCCS-100)
• Introduction to Data Science (CCDS-211)
• Database Administration (CCDS-435)
• Introduction to Databases (CCCS-215)
• Computational Discrete Mathematics (CCCS-122)

‣ Main Responsibilities:

• Giving lectures and explaining their topics to the students.
• Answering students' inquiries/questions via university email or in person during my office hours in the faculty.
• Uploading weekly assignments, grading students' work, submitting their grades, and providing feedback.
• Monitoring and supervising students' exams in person at the university.

ORACLE DEVELOPER | 10/2018 - 01/2019
Saudi Business Machines - SBM - Riyadh, Saudi Arabia
- Worked with SQL, PL/SQL to generate and modify reports on Oracle E-Business Suite system.
- Created, modified, and tested codes, scripts, and forms to run different types of applications.
- Collaborated with my team to produce informative reports about employee's personal data stored on Oracle E-Business Suite system databases using SQL and PL/SQL.