

YOUSSEF ABDELRAZEK

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PERSONAL PROFILE

Final year Computer Science and Artificial Intelligence undergraduate, predicted 1st, seeking an experienced graduate position in Data Engineering and Data Science. I have experience being a data engineer, ML researcher and plenty of professional exposure to Natural Language Processing. I have proven technical and interpersonal skills that I am seeking to refine with this position.

RELEVANT EXPERIENCE

Sep 2020 - Present Part Time - Data Scientist, InCrowd Ltd

After my industrial placement, InCrowd asked me to remain on board part time.

- Researched and developed new ML approaches to tackle ticket sales predictions
- Developed a named entity extractor for Articles
- Picked up spike tickets to investigate new software and tools
- Brought new ideas forward to add value and capitalise on data

Aug 2019 - Aug 2020 Industrial Placement - Junior Data Engineer and Analyst, InCrowd Ltd

Took on multiple roles within the data team and liaised with the backend and app development teams.

- Wrote and deployed ETL scripts using a Python > Docker > Kubernetes > ECR paradigm
- Wrote datasources to service dashboards using PostgreSQL and MySQL
- Answered Ad-Hoc queries with low turnaround times
- Manipulated, enriched and harmonised data sources using the data lake engine Dremio
- Developed data science/ML models that predict ticket sales and subscription renewals
- Modelled raw snowplow redshift data into a structured summary tables using DBT
- Designed dashboards highlighting KPIs and app reporting metrics using Tableau
- Performed QA tests on analytics reports before publishing to clients
- Created and tested snowplow app tracking specifications for app developers

Jun 2019 - Aug 2019 Research Associate - Natural Language Processing, CASM Consulting llp

I joined the TAG lab at Sussex University on the Junior Research Associate Scheme. This project revolved around mapping philosophical arguments that make up an opinion.

- Utilised state of the art language models such as BERT to serve practical applications
- Mining and Analysing Twitter and Reddit data using scraping and APIs
- Established my research, collaboration and client communication skills

CURRENT EDUCATION

Sep 2017 - Jun 2021

**BSc Hons Computer Science and Artificial Intelligence
with Industrial Placement, University of Sussex
predicted First**

Relevant Modules:

- Machine Learning
- Databases
- Software Engineering
- Advanced Natural Language Engineering
- Computer Vision
- Neural Networks

BCS accredited course. Provides a foundation in Software Development and Engineering alongside applicable exposure to Machine Learning and the experimental theories of Artificial Intelligence.

I am currently working on my final year project titled "An Extensive NLP Toolkit For Article Based Platforms". I am researching and developing Natural Language Processing tools to boost the viewership of text based content on InCrowd's platform alongside a suite of tools that helps writers monitor and analyse articles and monitor Twitter communities for the latest interests and scoop.

RELEVANT SKILLS

- Experience using APIs
- Experience using BigQuery and Google Analytics
- AWS products such as ECR, Redshift
- App tracking libraries Snowplow and Firebase
- Agile sprint SCRUM
- Git
- Social Media data mining; Twitter, Youtube and Reddit
- G suite
- SugarCRM with Dotdigital integrations
- Audience segmentation and customer analytics

ADDITIONAL EXPERIENCE

I contributed to multiple group projects during my degree, most notably the Software Engineering Project, where I was in charge of the Back-End design and implementation. The project aimed to create a commercial fully functioning game while fulfilling discrete criteria. I was also part of a group project that designed a smart banking app based on user centered design practices.

Jun 2015 - Sep 2017

IT Support Assistant, OMM for Consultancy & Training Ip

May 2016 - Sep 2017

Internal Auditor, OMM for Consultancy & Training Ip

ADDITIONAL SKILLS AND INTERESTS

- Won first prize in a Machine Learning Hackathon at HackSussex
- English(fluent), German(conversational) and Arabic(Native)
- Enhanced communication skills through every position both remotely and in person
- Developing Fluence Blockchain applications