

Koral Hassan

London - United Kingdom

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EXPERIENCE

(Tesco) dunnhumby | Senior Research Data Scientist April 2024 - Present
Senior Data Science Engineer 2022 - 2024
Data Science Engineer 2021 - 2022
Associate Data Scientist 2019 - 2021
London, UK

Currently in a permanent role in the Generative AI team.

- » Created several chatbots which utilize RAG, for helping users with FAQ's, code documentation, data interpretation. Currently being internally tested before being integrated into our software.
- » Developed a product launch classifier which used LLMs to determine similarity to existing products. It has been used in over 10 markets around the globe so far.
- » Implemented Computer Vision pipeline on GCP to extract products from receipt images. It was utilised by our app (1M+ downloads). Created manual labelling tool to benchmark performance.
- » Created regressive model for impact of discounts on profit and cannibalisation, reducing prediction error by 25%. It replaced existing method in our most popular product, used thousands of times daily.

(Microsoft) Metaswitch | Software Engineer Intern April - September 2018
Enfield, UK

Worked as part of the Fixed Voice Systems Testing Tools scrum team.

- » Won intern week hackathon by automating canteen transactions using computer vision.
- » Implemented reporting and diagnostics for MetaView Server errors, saving manual effort.
- » Developed web-apps for investigating data about timelines, fault reports, and automated tests.

Imperial Electrical & Electronic Engineering Society | President 2017 - 2018
London, UK

Elected to run a society of over 1000 members, leading a committee of 12 people.

- » Negotiated with 75+ companies, obtaining new sponsors such as Google and Goldman Sachs.
- » Leveraged income to collaborate with societies and universities. Achieved record participation rates.

µBoard | Founder 2016 - 2017
London, UK

Product proposal for a coursework was part of the 25% of submissions selected. Later won the independent £2000 Enterprise Boost Grant to continue the project as a start-up.

- » Identified industry-wide issue of digitising academic documents. Developed a technical solution to it.
- » Learnt about USB HID interfacing, developed code for an Arduino microcontroller.

EDUCATION

Imperial College London 2015 - 2019
London, UK
Meng Electrical & Electronic Engineering | Specialization: Machine Learning
Thesis: Machine Learning for Cloud and Distributed Computing

Priory Academy LSST 2013 - 2015
Lincoln, UK
A-levels: Maths A*, Further Maths A, Physics A, Turkish A, Electronics B

ACHIEVEMENTS & QUALIFICATIONS

Facebook Regional Hackathon | 3rd Place 2018
London, UK
Built Android app that tweaks facial expressions using Microsoft Azure API's.

Microsoft 3Hack | Judge 2018
London, UK
Evaluated product pitches in terms of viability, innovation and design.

SKILLS

Technical: Python, PySpark, LlamaIndex, TypeScript, SQL, C/C++

Web & Design: Django, Flask, Dash, HTML/CSS/JavaScript, React, LaTeX, Adobe Suite