

Ibrahim Ayub Desai

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EDUCATION

Sigma Labs | *Trainee Software & Data Engineer* Jun 2023 - Sep 2023

- Completed a **coding bootcamp** focused on **backend development, data science, data engineering, and cloud computing**, culminating in **four technical case studies**.

University College London | *BEng Chemical Engineering* Sep 2020 - Jul 2023

- First Class Hons (4.0 GPA) - Accredited by IChemE

Minor in **Programming**

- Application Programming for Data Science
- Applied Software Engineering

Beal Sixth Form | *A Levels* Aug 2018 - Jul 2020

Maths: A Physics: A Chemistry: A

WORK EXPERIENCE

Mobiess LTD (Part of Bellrock Group) | *Software Onboarding Consultant* Jun 2025 - Present

- Delivering **seamless software experiences** for Mobiess clients & surveyors
- SQL, Excel, JavaScript, and Company SaaS** (Software-as-a-Service) utilised.
- Understanding surveyor bottlenecks to **increase survey efficiency by up to 20%**
- Digital **autonomous report & dashboard creation** for audit assurance
- Spearheaded project utilising **AI** to develop an **AI Survey Creator**, innovating internally in first 2 months (**Agentic development, prompt engineering, Python API Model** calls)
- Knowledge base overhauling as part of **product enablement internally and externally**
- Testing bugs** and ticketing for fixes using **Agile development** practices

Centurion Global Consultancy LTD | *IT Engineer* Jul 2024 - May 2025

- Developing **IT infrastructure** for an accounting business, revolving around a website & email.

Self Employed | *Web Designer & Developer* Apr 2024 - Present

- Developed **websites for trending restaurants** (**Wordpress, Google Analytics, and Hostinger**).
- Developing with **PHP** for client site customizations.

H&C Retailing LTD | *Managing Director* Aug 2022 - Sep 2023

- Responsible for transforming an idea (halal Chinese steamed chicken stall) into a business.
- Connecting with top delivery platforms (**Uber Eats, Deliveroo, Hungry Panda** etc.).

PROJECTS

Media Sentiment Analyser | *Engineer & Quality Assurance* Sep 2023 - Sep 2023

- Agile development** of project, **cloud resource initialisation, fabricating 2 dashboards**
- Utilised **NLP** to **calculate attitude** within text used by **BBC, Daily Mail, and Reddit**, to **compare negative or positive sentiments** held on **current topics** (categorised by **AI**)

Halal Stints | *Solo Developer* Dec 2024 - Current

- Ideated an app** (web/mobile) built for finding **short term jobs for employees, and filling spaces for employers**, both of whom share the same **ethics and morals**.
- DevOps** done with **Firestore**, and versioned with **GitHub**.
- Utilised **PetiteVue.js** for front-end, and **Python** for the back-end.

BazaarAPI | *Project Lead & Head Developer* Sep 2025 - Current

- Ideated and created and MVP for a **halal business API**. Almost launched MVP

TECHNICAL SKILLS & LANGUAGES

Programming Languages: Python, HTML/CSS, SQL (PostgreSQL, SQLite); Data Engineering: Kafka, Spark, ETL, stream processing, data cleaning; Data Science & ML: Pandas, regression, NLP, NER, Fuzzy Matching; Visualization: Matplotlib, Plotly, Dash, Tableau, Streamlit; Cloud & DevOps: Docker, AWS, Terraform; IT & Software Development: OOP, Clean Code, TDD, Git, Flask, APIs, security fundamentals.