

Ibrahim Ayub Desai

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EDUCATION

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

- Completed training focused on **backend development, data science, data engineering, and cloud computing**, culminating in **4 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) | *Technical Support* Apr 2026 - Apr 2026

| *Software Onboarding Consultant* Jun 2025 - Apr 2026

- 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, MCP server 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)**.

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

Accelorate - Ethical Startup Launchpad | *Project Lead & Head Developer* Sep 2025 - Present

- Leading creation of an **MVP** for an **ethical startup launchpad**. Pre-Launch Stage

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

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

HOBBIES & INTERESTS

Most of my hobbies involve **sports** (Martial Arts, Football, and Calisthenics). I am also active in the **tech community** through **hackathons, conferences**, and personal **networking**

TECHNICAL CERTIFICATIONS & SKILLS/LANGUAGES

Certifications: **Databricks Data Engineering Associate** (Pending)

Programming Languages: Python, HTML/CSS, SQL (PostgreSQL, SQLite); Data Engineering: Kafka, Spark, ETL, stream processing, data cleaning, Firebase, Databricks; 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; AI: MCP servers, multi-agent frameworks, prompt engineering.