RYAN PATEL

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EXPERIENCE

Web Developer
Imperial College London, CitiBank
Feb 2023 - Present
London

- A Digital Money Index collaboration project with Imperial College London and CitiBank.
- Responsive website building, including interactive data tables, automatic data processing and sorting.
- Flask, Python, Tailwind CSS, HTML, JavaScript.

Artifical Intelligence Product Engineer
The Walnut.ai
Aug 2022 - Sept 2022
Singapore

- Developed an API for structured information extraction from Indonesian (KTP) ID cards.
- Fintech and deep-tech startup.
- Google Cloud Vision, Machine Learning, Artificial Intelligence, Flask, Python, OpenCV, OCR.

Academic Tutor for Higher Level Mathematics
Math Vision Enrichment Center
Dec 2021 - Jan 2022
London

- Instructed students in advanced mathematical concepts and principles.
- Developed resources and marked material.
- Edexcel, AQA, Pearson, GCSE, IGCSE

Dual Vocationalist Military Serviceman
Singapore Armed Forces
Jul 2019 - May 2021
Singapore

- Sector Response Force - Infantry and Transport Operator.
- Fast pace working environments requiring quick decision-making under high pressure.

EDUCATION

Imperial College London
Oct 2021 - Present
BEng in Computer Science
Penultimate Year Student
Achieved Grade - 1st

PROJECTS

For a full list, feel free to visit my GitHub.
eCommute

- Facilitates property searches optimally close to an input list of areas near train or bus stops, with the intention of replacing car usage with public transport.
- Django, Python, HTML, Tailwind CSS, JavaScript, Google Maps API

Bot for Discord

- Retrieves various online data including football scores, weather; API integration and server management features.
- Discord.py, Python, Web Scraping, Flask, Requests

WACC Compiler & Code Generator

- A full compiler involving lexical, syntax and semantic analysis, AST creation, and ARM11 assembly generation.
- Parsely (Parser Combinator), Scala, ARM11 assembly

SKILLS

Java, Python, C, Haskell, React (Native), HTML, (Tailwind) CSS, JavaScript, Web & App Development