

MOHAMMED YOUSIF

MATHEMATICS | PYTHON & DATA | WEB DEVELOPMENT

Al Ain, UAE | +971 56 721 9287 | mohiii.0431@gmail.com | LinkedIn | GitHub | Portfolio

PROFILE

Recent A-Level graduate in Mathematics, Further Mathematics and Computer Science, preparing for further study in mathematics. Uses Python to investigate mathematical questions and data workflows, builds web products, and tutors school and A-Level mathematics.

EDUCATION

A-Levels - Completed 2026

AL AIN ENGLISH SPEAKING SCHOOL

- Mathematics
- Further Mathematics
- Computer Science

MATHEMATICAL DIRECTION

Further study in mathematics, with interests in pure mathematics, mathematical logic, sequences and limits, numerical methods, and computational problem-solving.

WORKING TOOLKIT

MATH & DATA

Python, Pandas, Matplotlib, Excel, error analysis

WEB

TypeScript, JavaScript, React, HTML, CSS, Node.js

DELIVERY

Git, responsive design, deployment, hosting, technical documentation

LANGUAGES

English Arabic

WORKING PRINCIPLE

Break the problem down.
Make the assumptions
visible. Check the result.

SELECTED MATHEMATICAL & TECHNICAL WORK

Stirling's Approximation Analysis PYTHON | JUPYTER | NUMERICAL ANALYSIS

Used log-space calculations to compare $n!$ with Stirling's formula, measure relative and percentage error, and export tables and plots.

[View repository](#)

StudySheet Studio

REACT | TYPESCRIPT | EDUCATION

Built a responsive private A-Level revision platform for organising subjects, notes, and study resources around a predictable interface.

Operational Reporting & Invoice Tracking

PYTHON | PANDAS | EXCEL

Cleaned spreadsheet data, maintained cross-department trackers, and prepared repeatable summaries while protecting private company records.

EXPERIENCE

Co-founder & Web Developer

2025 - Present

Sharp Studios - Remote

- Plan and build responsive websites and small digital products from requirements through deployment and support.

Independent Mathematics Tutor

Ongoing

Al Ain, UAE

- Tutor school-level and A-Level mathematics using structured explanations, verification, and deliberate practice.

Data & Reporting Intern

Jan 2025 - Feb 2026

QRS Engineering - Al Ain, UAE

- Cleaned and checked reporting data, maintained trackers, and assisted with invoice and financial summaries.

Technical Intern

Sep 2024 - Jan 2025

INTEGRES - Al Ain, UAE

- Supported engineering teams with software tasks, technical documentation, coordination, and troubleshooting.

ADDITIONAL PROJECT ARCHIVE

InstaWrapped - In development

TYPESCRIPT | DATA VISUALISATION

A prototype that turns a user's own exported chat history into readable patterns and summaries.

Systems & Automation Archive

PYTHON | NODE.JS | AZURE

Earlier experiments in virtual-machine provisioning, operational logging, backups, and Discord command workflows.

[Browse GitHub](#)