

Sami Haque

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About Me

Biology graduate with a strong foundation in data analysis using Python, R and SQL. Experienced in full-cycle projects from data collection and modelling to visualisation and deployment. Comfortable communicating insights to non-technical audiences and always looking to build new skills through real-world problem solving.





Education & Certifications

BSc (Hons) Biology – University of Chester (First Class Honours)	Sep 2022 – May 2025
• Relevant modules: Statistical Analysis, Research Methods, Conservation Genetics, Population Biology	
Google Data Analytics Specialisation , – Certification 	May 2023 – Jul 2023
A-Levels & BTECs , – Reigate College	Sep 2019 – May 2021
GCSEs , – Reigate School	Sep 2014 – May 2019

Experience

MarinaTex , Market Analyst Intern	Remote Feb 2024 – May 2024
• Conducted market and materials analysis using Excel, Tableau and R to identify cost patterns, product trends and competitor positioning.	
• Presented weekly dashboards and reports to cross-functional teams, informing data-driven decisions.	
• Supported the creation of reports on regulatory and market landscapes, contributing data-driven recommendations to senior decision-makers.	
Co-op , Customer Assistant	Reigate, Surrey Feb 2022 – Sep 2022
• Supported customers with enquiries, purchases and returns, ensuring a high standard of service.	
• Maintained stock levels and managed inventory during peak hours, working efficiently under pressure.	
NHS , Ward Host	Redhill, Surrey Jul 2021 – Feb 2022
• Worked directly with patients and clinical teams to deliver meals and support care routines in a high-pressure environment.	
• Communicated calmly and effectively with vulnerable individuals, building strong interpersonal and teamwork skills.	

Projects

Sudoku Solver Benchmarking Project	View on GitHub 
• Built a web app  Sudoku solver using a backtracking algorithm and benchmarked its performance on 1 million puzzles , demonstrating a 76-fold speed improvement from Python (810s) to C++ (10.7s).	
• Tools Used: Python, C++, HTML/CSS/JavaScript.	
Morphological Adaptation in UK Butterflies	View on GitHub 
• Analysed 200 butterfly specimens using linear regression, one-way ANOVA, Random Forests, to explore morphological variation across climate gradients.	
• Tools Used: R, SQL, Excel, ImageJ	
Sales Insights Dashboard	View on Tableau 
• Created a dynamic Tableau dashboard from 10,000+ sales records , with interactive filters and parameter controls to display KPIs like revenue, profit, and quantity sold by region, category, and time.	
• Tools Used: Tableau, SQL, Excel, Calculated fields and Parameters	