

EDUCATION

University of Buckingham <i>Master of Science, Applied Data Science</i>	Buckingham, UK <i>Expected Grad. Jul 2026</i>
University of Bath <i>Master of Science, Computer Science</i> <i>Honours Bachelor of Science</i> <ul style="list-style-type: none">(2024) Awarded the Global Leaders Scholarship for academic excellence and outstanding leadership.(2023) President of the African Caribbean Society, leading initiatives to promote cultural awareness and inclusivity.	Bath, UK <i>Distinction // Graduated Jan 2025</i> <i>Second Class: First Division // Graduated Jul 2023</i>
Professional Qualifications <i>Level 7 Certificate, Digital and Technology Solutions Specialist</i> <i>Level 3 Diploma, Networking and Cybersecurity</i>	UK <i>Expected Completion Jul 2026</i> <i>Completed Aug 2024</i>

TECHNICAL SKILLS

Languages: Python, C, JavaScript (ES6+), HTML/CSS, SQL, Bash/Shell Scripting, VBA
Frameworks: React, React-Native, Node.js, SCSS (SASS), Pytorch, SpaCy, Scikit-learn, Flask
Developer Tools: Jenkins, Docker, Git, Bitbucket, Jira, AWS
CAD & Visualisation Tools: PowerBI, Figma, Adobe (Photoshop, Illustrator, Indesign), Unreal Engine
Certifications: AWS Cloud Practitioner, Neo4j Certified Professional, The Complete 2023 Web Developer Bootcamp

RELEVANT EXPERIENCE

Software Engineer ETAS (Bosch Automotive Service Solutions) <ul style="list-style-type: none">Collaborated on diagnostic insight tools, leveraging sequential pattern mining ML for next-likely vehicle component breakdown predictions, achieving approximately 50% accuracy compared to actual data.Centralised knowledge of an ongoing, undocumented software project into a single location, enhancing maintainability and team onboarding through documentation and functionality updates where possible.Optimised AWS Lambda python triggers to deploy a fully restructured XML-to-JSON file parser into a processing pipeline, resulting in notably greater system efficiency for integration into OpenSearch.	Manchester, UK <i>Sep. 2024 – Present</i>
Graduate Data Analyst KTC (Edibles) Ltd – Supplier & Manufacturer for Food & Oil <ul style="list-style-type: none">Led the migration of Business Insight data to an automated SQL database, eliminating manual processes and streamlining data extraction and delivery by approximately 16 hours weekly—freeing 4+ team members for higher-value tasks.Enhanced Sales Dashboard through user interface and general feature development including: financial rebate adjustments, contract management, and VBA scripts for end-user input. Currently utilised by 80+ personnel, with controlled user access. 93% reported visible improvements in data management and reporting capabilities through measured surveys.Optimised data organisation by conducting data modeling, clearing anomalies and duplicates to enhance data quality, and undertaking the creation of a data dictionary for the implementation of a company-wide data lake.	Wolverhampton, UK <i>Jul. 2023 – Oct. 2023</i>
Data Science Intern Datern – Data Consultancy & Training Services <ul style="list-style-type: none">Improved data efficiency and accuracy using SQL, Power BI, and Python for strategic insights and accurate predictions through advanced web-scraping and machine learning.	Remote, UK <i>Jun. 2023 – Jul. 2023</i>

PROJECTS

Early-stage Carbon Observer (ECO) Python (Scikit-learn, spaCy, NLTK), Flask, Docker, React.js <ul style="list-style-type: none">ML-based tool to predict embodied carbon from architectural design descriptions during early-stage design processes through an NLP -> Histogram-based Gradient Boosting (HGB) pipeline, scoring 85 on the System Usability Scale (SUS).Utilised semantic analysis and named entity recognition (NER) to convert unstructured text into structured features, achieving 100% precision in ranking buildings by carbon impact in test scenarios (despite lower "exact scoring" accuracy).Integrated NLP libraries such as Hugging Face Transformers, spaCy, and NLTK for feature extraction and data preprocessing.
Bloom: Gamified Plant Learning Application JavaScript, React, React-Native <ul style="list-style-type: none">Led an Agile team of 7 in bi-weekly sprints to develop "Bloom": a cross-platform mobile application combining entertainment with interactive plant-care learning. Tested on 12+ devices without major issues.Leveraged weekly end-user feedback loops to raise satisfaction scores by over 80%, improving feature clarity and overall UX.Achieved 60% next-day user retention through gamified quizzes, achievements, and timed care reminders for goal tracking.