

# Rowan Bithal

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## EDUCATION

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### University of Birmingham

*Bachelor of Science in Computer Science (First-class honours in my first year)*

*Sept. 2023 – June 2027*

### Radnor House Twickenham

*A level Computer Science (A\*), Maths (A), and Physics (A)*

*Sept. 2022 – June 2023*

## EXPERIENCE

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### DXC Technology

Jul. 2023

*Work Experience*

- Mentored by a Cloud Architect, I gained foundational insights into the components of Public and Private Clouds.

### Bupa, Work Experience

Aug. 2022

*Work Experience*

- Learned about the application of mathematical and analytical skills across various sectors.
- Conducted data analytics tasks including data extraction, manipulation, and analysis.
- Enhanced team communications and contributed to project documentation and presentations.

### Agilisys

Jul. 2021

*Work Experience*

- Gained insights into business operations across HR, Finance, Payables, FP&A, and Cloud IT departments.
- Developed key professional skills including effective communication and work quality improvement
- Demonstrated project management skills by actively participating in team tasks in a high-pressure environment.

### ServiceNow

Oct. 2022

*Insight Day*

- Participated in a sustainability project, enhancing teamwork and project collaboration skills.
- Gained insight into how the company cater to their clients and what their software services provide.

### Compass Group at Twickenham Stadium

Nov. 2021

*Waiter*

- Delivered exceptional customer service in a high-paced environment in the executive lounges
- Practised working in and managing a team honing my interpersonal and leadership skills

## PROJECTS

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### Firewall Configuration Manager | C, Networking

- Designed and implemented a server program to manage firewall rules and handle client requests, ensuring robust and concurrent operations.
- Supported interactive and socket-based client-server communication while implementing concurrency mechanisms to maximise server responsiveness during multiple connections.
- Ensured code integrity by preventing memory leaks and using test scripts for automated functionality verification.

### House Price Prediction Model | Python, Machine Learning, Pandas

- Developed a machine learning model to predict house prices using Random Forest Regression, optimizing model performance through cross-validation.
- Conducted data preprocessing, including handling missing values, scaling features, and one-hot encoding categorical variables.

### Record Shop App | Java, Flask, JavaFX, PostgreSQL

- Developed a TCP-based networking multi-threaded client-server application to consult a relational database about vinyl records.
- Utilized JDBC to establish a connection to the Postgres database and executed SQL queries to perform CRUD operations.

## VOLUNTEERING

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### **Integrated Neurological Services**

Feb. 2020 - Jun. 2021

- Troubleshoot social media profiles and assisted in fundraising activities, contributing to a £3.5k fund.

### **OXFAM**

Dec. 2018 - Jun. 2019

- Managed inventory and customer service, gaining valuable retail experience.

### **AgeUK**

Jun. - Sep. 2016

- Taught how to use technology to elderly individuals, improving their quality of life.

## SKILLS & INTERESTS

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**Technical Skills:** Java, Python, JavaScript, SQL (Postgres), HTML/CSS, React, Node.js, Next.js, Flask, Git

**Interests:** Machine Learning, F1, Muay Thai, Chess, Football