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| Nottingham, Aspley Lane, 2 Eskdale Drive,  NG8 5GZ [Linkedin](https://www.linkedin.com/in/zain-arif-9ab08a205/) | Zain Arif | 07342209507 zain.zarif2002@hotmail.com |

## I am a computer science student interested in building predictive models, financial and data reports, and secure backend applications. An active learner, regularly maintaining a blog page and passion projects. Visit my [portfolio website](https://carbonatedcarbon.github.io/Portfolio-Website/) to learn more.

## Work Experience

**Scorekeeper Notts Unity Casuals CC** **Aug 2022 - Present**

Unity CC 1st XI (Div 2) Nottingham, UK

* Preparing the field and facilities for the game with great attention to detail. Consistent distance between flags, preparing the scoring area depending on the weather conditions and the away scorer’s needs.
* Admin responsibilities: publishing match outcomes to the play cricket website. Recording statistical match data
* Editing match data before, during and after the games when revisions are required.
* collaborating with the umpires and the opposing team’s scorekeeper. Having effective communication with the away team scorer/ umpire and the team captain ensuring I have all details correct.
* Operating the scoreboard, updating the score at every over.
* focus and concentration over 8-hour matches.

**Accounting intern Insta Accountants Ltd** **Oct** **2022 – Feb 2023**

Accounting department Nottingham, UK

* Credit control - posting invoices and receipts onto QuickBooks, chasing payments from clients.
* Create and maintain client data.
* Office 365 skills including word, excel.
* Integrated the company house API with the client data. Parsing Json files using excel.
* Introduced QR codes during in-person meetings with new clients, decreased client meeting times by 10 minutes**.**

## Technologies and Languages

* Languages: Java, python, C++, SQL,
* Technologies: MySQL, Azure, Git, flutter, Spring Boot, tensorflow, keras, AIML, NodeJS

## Projects

* **Trip planning application.** 
  + Modern design principles are used such as caching, message queues and RESTful API services.
  + Java backend deployed using Apache Tomcat server. A MySQL database used for data storage.
  + Flutter frontend desktop and mobile application.
  + External weather API implemented, showcasing data cleaning and engineering skills.
* **Cricket Chatbot.**
  + Foundational understanding of Natural Language processing such as cosine similarity, first-order logic, fuzzy logic.
  + Machine learning skills such as image classification using Neural networks and hyper-parameter tuning.
* **ODI Cricket match prediction.**
  + Research final year project analyzing the effectiveness of player metrics in ODI match outcome prediction using machine learning.
  + Successfully improved upon an existing academic papers classification model by 9%.
* **Binary Search Tree implementation.** 
  + Advanced C++ concepts such as pointers and memory management.
  + Analyzing multiple search tree solutions using time-space complexity.
  + Test driven approach when developing Haskell solution.

## Education and Certifications 2020 - 2025

* **2:1 - MComp Computer Science Year 3,** Nottingham Trent University, Nottingham. **2023 – 2024**
* **Microsoft Certified: Azure Fundamentals Jun 2024**
* **Microsoft Certified: Azure AI Fundamentals May 2024**
* **QuickBooks Certified ProAdvisor Oct 2022**

## Interests

* Coffee enthusiast, love competitive chess with an average elo ~1200. Volunteer regulary at my local cricket club.