

# Sai Polukonda

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## EDUCATION

### University of Glasgow

2022 – 2026

Computing Science/Business & Management BSc (Hons) -

Glasgow, United Kingdom

- Firm understanding of the foundations of **financial markets** and **management** from course modules
- Computing modules such as **Data**, **RDBMS**, **Algorithmics** and **Data Structures**.
- Regular member of **UoG Sport Cricket** and Glasgow University **Trading and Investment Society**

### The Judd School

- 4 Alevels (2021) - A\*AAC
- School Cricket Team captain, Senior Maths Challenge Kangaroo Award

## WORK EXPERIENCE

### BARCLAYS FINANCE EXPERIENCE PROGRAMME

October 2024 – November 2024

- Collaborated with a team of **5** colleagues on a **credit** solution for **SMEs**, rewarding adherence to **ESG** guidelines.
- Gained insights over 6 weeks into **risk management**, **compliance**, corporate banking, and **ESG-focused** financial innovation.

### RAD SUN TECHNOLOGY LIMITED

January 2022 – July 2022

Junior Web Developer (Intern) – AngularJS, JavaScript, HTML, TypeScript

London, United Kingdom

- **Refurbished** the website for [indianaromacatering.co.uk](http://indianaromacatering.co.uk) as a **frontend developer**, navigating established AngularJS frameworks, implementing JavaScript, HTML, TypeScript, CSS, **improving user engagement metrics by 15%**
- Delivered **5** presentations on **agile** methodology and **test automation** to cross-functional teams, resulting in enhanced understanding of **workflow processes** that improved project completion timelines by **10%**.

### Academic Tutor

2020 – present

- Guided **12** students with predicted grades ranging from 3-6, achieve grades **7-9** in their GCSEs, providing a deep **personalised** understanding of fundamental concepts **catered** to their needs.

### Achievements and Certifications – can be found at <https://www.linkedin.com/in/saipolukonda/>

- Posted an article on [LinkedIn](#) on the **housing crisis** in Glasgow
- **Financial Markets** - Yale University
- **Python** for Data Science, AI & Development – IBM
- Data Analysis and Visualisation Foundations Specialisation – IBM
- **Finance Accelerator Simulation** Experience – AMPLIFYME: Morgan Stanley, UBS, EDF trading
  - Managed a **£20M** portfolio. Generated **£150K** in commission in **sales** and **trading**.

## Leadership and Activities

### University of Glasgow British Asian Society – Treasurer

May 2023 – present

- **Co-founded** the society and led the **financial management**, **event coordination** and general **administration**.
- **Nomination** for **Best New Society** of the year University of Glasgow Student Council 2023-2024, with a **100** paid members in our first year.
- Designed and implemented a membership **growth strategy**, increasing society funds by **120%** and membership count by **100%** over two years.

### PROJECTS: Available at <https://github.com/Sai284?tab=repositories>

#### Regression Line Program:

Available at: [https://github.com/Sai284/Regression\\_AMD\\_Gold](https://github.com/Sai284/Regression_AMD_Gold)

- Utilised **Python** and the **yfinance** library to analyse the correlation between AMD and Gold prices through **statistical modelling** and **linear regression** over **1200** data points, revealing a significant positive relationship.
- Managed **data preparation** and **diagnostics**, presenting findings with visual tools in **Matplotlib**, highlighting the role of Gold prices in explaining **62%** of the variability in AMD's stock prices.

#### NBA Predictions App:

Available at: [https://github.com/Sai284/nba\\_predictions](https://github.com/Sai284/nba_predictions)

- Developed a **Python** application using the NBA API to predict NBA player performance studying data from over **600** games, integrating **data manipulation** with **Pandas** & NumPy and machine learning techniques via **Scikit-Learn**.

## Skills

- Technical : Java, RDBMS, SQL, Git, Web Development, HTML, JavaScript, AngularJS, CSS, Microsoft Excel
- Finance: Financial analysis, financial modelling, data analysis.