

Sai Polukonda

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## EDUCATION

### University of Glasgow

09/2022 – 05/2026

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**.
- Enhanced financial acumen as a **Glasgow University Trading and Investment Society** member, attending **10+** investment workshops and presenting **3 stock pitches** to the group.

### The Judd School

- 4 Alevels (2021) - A\*AAC

## WORK EXPERIENCE

### SocPocket – Cofounder & Project Lead

06/2025 – present

- **Spearheading** a team of 3 colleagues in the **end-to-end** development of a digital membership **application** for uni-societies targeting **30,000** student base, addressing key operational inefficiencies observed as Treasurer of BAS.
- Authored the **product specification**, designed **wireframes** and key workflows (e.g. **wallet integration**, member verification), and aligned the solution with **Apple Wallet/Google Pay** standards.

### BARCLAYS FINANCE EXPERIENCE PROGRAMME

10/2024 – 11/2024

- 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** innovation.

### RAD SUN TECHNOLOGY LIMITED

01/2022 – 07/2022

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

- **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%**.

### Academic Tutor

2020 – present

- **Diagnosed** learning gaps and tailored instruction for 10 students, improving comprehension and **boosting average test scores by 40%**, resulting in an average **grade increase of 3 points** from predicted scores on GCSE exams.

**PROJECTS:** Available at <https://github.com/Sai284?tab=repositories> or <https://portfolio-xi-eosin-8s9y68u5p8.vercel.app>

### Regression Line Program:

- Developed **Python-based statistical model**, leveraging the **yfinance** library to analyse the correlation between AMD and Gold prices using **linear regression on 1200 data points** demonstrating a positive relationship.
- Managed **data preparation and diagnostics**, presenting findings with visual tools in **Matplotlib**, highlighting the role of Gold prices in explaining approximately 62% of the variability in AMD's stock prices.

### NBA Predictions App:

- Developed a **Python application** utilising the **NBA API** to forecast player stats across 600+ games, incorporating **Pandas, NumPy & ScikitLearn** to reduce **model training** time by 20%.

## Leadership and Activities

### University of Glasgow British Asian Society – Vice President

05/2025 – present

- Designed a membership **growth strategy**, planning to increasing society funds by **120%** and membership count by **100%** over the next year.
- **SOCPOCKET**, a centralised platform streamlining event management and membership tracking, aiming to **reduce administrative workload** by 3 hours per week and a 50% increase in **member retention**.

### University of Glasgow British Asian Society – Treasurer

05/2023 – 05/2025

- **Co-founded** the society and led the **financial management**, **event coordination** and general **administration**.
- Forged **partnerships with 10+ societies** to co-host events, broadening the society's reach to 500+ students and non-students, earning a nomination for Best New Society of the Year.

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

- **Python** for Data Science, AI & Development – IBM
- **Finance Accelerator Simulation** Experience – AMPLIFYME: Morgan Stanley, UBS, EDF trading.
  - Managed a **£20M** portfolio. Generated **£150K** in commission in **sales** and **trading**.

## Skills

- Technical : React, NodeJS, Docker, Django, Numpy, Pandas, Java, Python, SciKit-Learn, PostgreSQL, Git, Microsoft Excel, Figma, Project Management, Issue Tracking, Data Analysis, Agile Development, Scrum, Statistical Modelling