## Saksham Joshi

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# PROFESSIONAL SUMMARY

A highly motivated and results-driven Fintech student with a strong 4-year background in software engineering and a passion for the finance and blockchain industry. Possessing a demonstrated history of successful project delivery and a track record of working with cross-functional teams to deliver software solutions. Seeking opportunities, particularly in Financial Services/Financial Technology organizations.

# WORK EXPERIENCE

**Mitratech(earlier Inszoom) *Jan 2021 - Apr 2022***

## Software Engineer II

* Journeyed through languages, frameworks and technologies like **JavaScript, VB .Net, C# MVC, .NET, Python, Vue.js, HTML, CSS, jQuery, Microsoft SQL Server**.
* Handled full-stack web development of multiple feature deliverables and their test cases in high frequency sprints throughout my tenure.
* Zoomee: Owned this feature for almost 2 years. Was responsible for handling any feature changes, bug fixes, R&D and optimization. Worked along with the customer support team to understand

client’s needs to make appropriate changes.

* Full Stack Development to create logging feature to aid our RPA product. The project was built using ASP.NET C# for backend and Vue.js for frontend. Helped the RPA team with easy tracking of errors.

**Inszoom Pvt. Ltd. *Jul 2018 - Dec 2020***

## Product Engineer

* DB design, Full Stack Development using ASP.NET C# for backend and Vue.js for frontend for the new revamped Settings module.
* Apart from regular development, I worked on developing different internal tools used to migrate files and data essential for restructuring.
* Did multiple proof-of-concepts using Python (OpenCV) to read data from captured images of visas for our upcoming new RPA product.

# EDUCATION

## University of Edinburgh MSc Finance, Technology and Policy

### Sep 2022 - Sep 2023

**Modules:** Financial Machine Learning, Python Programming, Principles of Data Analytics, Blockchain and Cryptofinance, Financial Valuation, Modern Financial Market Microstructure.

**Dissertation Topic:** Drivers for CBDC Design for developed vs developing countries.

Academic Projects

* **HFT LOB Mid-Price Forecasting with ML Pipeline:** Implemented a precise and detailed machine learning pipeline using Python, incorporating CNN, LSTM, MLPs, and models. Forecasted High- Frequency Trading (HFT) Limit Order Book (LOB) mid-price movements in an online manner. Achieved accurate predictions through feature engineering, selection, model optimization, and metric evaluation.(Python)
* **Forecasting Crypto Returns with Neural Networks:** Leveraged Deep Neural Network techniques, including LSTM, in combination with Cross-validation methods, to forecast 15-min return for cryptos. Explored different model configurations, compared LSTM results with simpler models like linear-tree and evaluated performance using cross-validation, and implemented feature importance using SHAP. (Python)
* **Financial Valuation of PayPal: DCF and Relative Valuation Analysis:** Performed financial valuation of a US publicly traded firm, PayPal, by preparing an investment analysis report using both discounted cash flow (DCF) and relative valuation methods.
* **Capco Consulting Challenge 2022**: 3rd place
  + Worked to propose strategies for a case study on a major UK bank to establish a dominant position in the UK home insurance market share, increasing from 1% to 10%.
* **Adahack Hackathon**: Runner ups
  + Researched and analysed different large datasets to create a data visualization project to highlight the different issues faced by gender minorities in different aspects of life.
* **Refinitiv Hackathon:** Finalists
  + Developed and implemented a practical solution using machine learning models and feature engineering methods to rank technical indicators based on historical data.
  + Created a solution that assists traders in identifying the most influential technical indicators for explaining price movements.

## SRM IST Chennai B.Tech Computer science and Eng.

### Jul 2014 - May 2018

Modules: Data structures and algorithm design, Software Engineering, Database Management Systems, Web Technology, Statistics and Numerical Methods, Operating Systems

# EXTRA-CURRICULAR

* **Edinburgh University Futsal Club (’22 - ‘23)**: **Represented** the university in Scottish futsal leagues.
* **ResLife Resident Assistant (‘22 - ‘23)**: **Handled** around 60 students and their wellbeing during their stay at the university accommodation. Also, organized and led social events for residents.
* **Bar Staff and Café Staff: Worked** Part-time in a fast-paced environment serving and interacting with customers.
* **Just for Kicks (Jul ’19 - March ’21): Volunteered** as a part time coach for an under-privileged U-12 team. Here the main motive was to **enable young leaders** through football.