

SAIMANISH PRABHAKAR

UAE Golden Residency | +971557371419 | [Email](#) | [LinkedIn](#) | [Github](#) | [Portfolio](#)

EDUCATION

- MIDDLESEX UNIVERSITY DUBAI** | Dubai, UAE Sep 2023 - Nov 2024
 - MSc Investment Management
 - Distinction (Academic transcript and LoR's available upon request)
 - CFA Scholarship Recipient
- UNIVERSITY OF HERTFORDSHIRE** | Hatfield, UK Sep 2020 - Jul 2023
 - BA (Hons) Film & Television Production
 - First Class (1:1)

PROFESSIONAL EXPERIENCE

- Researcher | Middlesex University Dubai - Dubai, UAE** Apr 2025 - Present
 - Co-authoring a research paper based on my master's dissertation, "Understanding Oil Price Dynamics: A Multi-Model Study of Endogenous and Exogenous Uncertainty". Focusing on strengthening the methodological framework by employing a robust suite of advanced econometric techniques and refining existing analysis for submission to a peer-reviewed journal.
- Researcher | University of Birmingham Dubai - Dubai, UAE** Feb 2025 - Present
 - Investigating AI tech's impact on teaching and learning in UAE universities by using Logistic Regression, K-means Clustering, and Random Forest models to analyse survey data from students and faculty. The study will identify key drivers of AI adoption and provide policy recommendations for higher education based on empirical insights. (To submit to a peer-reviewed journal)
- Crude Oil Analyst (Market Research) | Vici Energy - Dubai, UAE** Sep 2023 - Feb 2024
 - Analysed weekly crude and product flows across the Middle East, China, Latin America, and Africa, identifying key interdependencies in supply and demand. Provided regular insights on refinery changes, trade dynamics, and their implications on regional markets.
 - Contributed to weekly pricing reports for crude imports into China by analysing product cracking margins, estimated MEREY-16 crude's intrinsic value by benchmarking against regional peers, adjusting for API and sulphur levels.
 - Delivered daily research reports on global oil market trends, including OFAC sanctions and shadow fleet impacts, to senior management.

COMPETITION / SIM EXPERIENCE

- Investment Bank Global Markets Academy | Amplify ME - London, UK (Remote)** Aug 2023
 - Placed 2nd in the 'Sales & Trading - Investment Banking' Financial Accelerator simulation (in partnership with Morgan Stanley) and was identified as a High Potential Candidate (HPC).
 - Utilised short / long axes to achieve a perfect Fat Finger Count metric of 100% and exchange trading metric of 87%. Exercised 16 chat trades and 137 exchange trades leading to a profit exceeding \$200k.
 - Awarded a Level 4 Diploma from the London Institute of Banking and Finance.

PROJECTS

- [Options Strategy Payoff Calculator](#) | Libraries: `numpy`, `pandas`, `matplotlib`, `streamlit` Apr - May 2024
 - Engineered a simple options strategy profitability calculator, empowering users to conduct analysis of several strategies such as Strap, Bull Call Spread & Long Butterfly and more with dynamic visualisation of net-payoff tables and break-even points allowing for an efficient assessment of each strategy's risk-reward profile.
- [Options Pricing and Greeks Analysis](#) | Libraries: `numpy`, `pandas`, `matplotlib`, `streamlit`, `plotly`, `scipy` Jan - Feb 2025
 - Developed an options pricing tool using Black-Scholes and Monte Carlo methods, comparing options price sensitivity to volatility, time to expiration, and strike price, with visualisations of Monte Carlo price paths and distributions. Implemented Greek analysis for both methods, and created multi-dimensional sensitivity plots for deeper insights into option pricing dynamics.
- [Pairs Trading Simulator](#) | Libraries: `numpy`, `pandas`, `matplotlib`, `streamlit`, `pathlib`, `statsmodels` Feb - Mar 2025
 - Built a rudimentary pairs trading sim for an aluminium and lead asset pair with customisable parameters like z-score threshold, lookback period, lot sizes, stop loss, and take profit, enabling flexible strategy testing. Delivered a \$43,750 total return, 65.22% win rate across 36 trades, and a profit factor of 2.97, with a trade log tracking trading signals, PnL, z-scores, and cointegration.

SKILLS, CERTIFICATIONS & OTHER (Full list of certifications available on LinkedIn)

- Technical:** Python, Git, GitHub, CLI, STATA, EViews, Excel, LaTeX, Power BI, Refinitiv Eikon, S&P Global (Platts, Capital IQ), Kpler
- Certifications:** Quant Trading Strategies & Models, Options Trading (Basic and Intermediate), Statistical Arbitrage, Learn GitHub
- Ongoing Certifications:** Python (Inter/Adv), DS&A, C++/C#, SQL, ML/AI Engineer (Career Path), Data Scientist: ML/NLP/Inference
- Academic Courses:** Advanced Econometrics, Applied Econometrics, Derivatives & Structured Products, Fixed-Income Securities, Investment Analysis & Management, Corporate Finance & Valuation, and Entrepreneurial Finance.
- Interests:** Endurance Running, Muay-Thai, Brazilian Jiu-Jitsu, Philosophy