

PARTH GOYAL

Quantitative Researcher · Economics Writer

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Education

University of St Andrews

Sep 2020 – Jun 2024

BSc (Honours) Financial Economics and Mathematics, Upper Second Class (2:1)

St Andrews, UK

- **Dissertation (Mathematics):** *Modeling the Divide* — a 5,000-agent agent-based model of political polarization, now a live interactive app [\[live app\]](#)

CFA Institute

CFA Level I — Passed (Top 5% globally)

Experience

Orbis Investments

Sep 2024 – Present

Quantitative Researcher

London, UK

- Designed and own systematic stock-selection signals for global financials from fundamental line-items; backtests at ~10% annual outperformance and used in production for market-neutral portfolio construction (~\$1bn AUM)
- Built a novel time-series factor model for a concentrated US equity portfolio explaining ~80% of return variance (adj. R^2); used by the portfolio manager to diagnose bets and size hedges
- Use LLM APIs (Claude, GPT) to extract structured signal at scale from earnings-call transcripts and analyst reviews — a text-derived signal layer the team couldn't easily reach manually
- *Prior summer internship (2023):* researched alternative stock-beta estimators (Bayesian, robust, time-decayed) over 40 years of US equity data; built an interpretable XGBoost model of PM behavioural biases to flag losing trades (SHAP)

Risidio (Web3 startup)

May 2022 – Jul 2022

Finance & Investments Intern

London, UK

- Built NFT pricing models and stood up the company's data-analytics function (on-chain analysis, strategy backtesting); contributed to a decentralized film platform with Hollywood directors Lucas Foster and Eric Blakeney

University of St Andrews

Sep 2021 – May 2022

Undergraduate Research Assistant

St Andrews, UK

- Built a Python logistic model of the St Andrews housing market (equilibrium rent and demand; `scipy.optimize` calibration) and a labour search-and-match model of wage rigidity

St Andrews AI Safety (STAISH)

2024

Co-founder & Program Director

St Andrews, UK

- Co-founded the university's first AI safety fellowship — a 6-week program on ML fundamentals, AGI risk, alignment, and governance; curated 30+ readings and facilitated weekly discussions

St Andrews Effective Altruism Society

Sep 2022 – Jun 2024

Treasurer & Tutor

St Andrews, UK

- Secured a £12,000 grant and ran cost-benefit fund allocation; led weekly workshops (forecasting, argument framing, charity evaluation), growing enrolment 50%

Extracurricular & Community

National-level basketball (represented India and Russia); built community toilets in rural Rajasthan and coached underprivileged students for a charity mini-marathon; 2025 half-marathon fundraiser for Concern Worldwide

Skills

Technical: Python [Pandas, NumPy, SciPy, scikit-learn, XGBoost, SHAP, cvxpy, LLM APIs], R [tidyverse, ggplot2, fixest, time-series], SQL (Snowflake), LaTeX

Languages: Russian, English, Hindi