# Noel Jacob

**PGDM Student (Finance and Analytics) and Programmer**

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## About

Hardworking **PGDM (MBA) student** with a passion for Finance, Accounting and Statistics subjects. I focus on using mathematical methods to solve real-world financial challenges. I am also a self-taught **Machine Learning expert** who can adapt to industry requirements. **I learn fast, think hard, and deliver results.**

## Education

**University of Padova**, Erasmus in Computational Finance (ML), Business Management – Padova, Italy — Feb 2025 – July 2025
- Took part in various math and quant workshops by industry leaders

**Rajagiri Business School**, PGDM (MBA) in Finance and Analytics – Kochi, India — July 2024 – Mar 2026
- Current **Technology Lead** of IEDC, the college startup incubator
- Part of organisers for Rajagiri National Business Quiz, India's 2nd largest, and increased participation by 40%
- Attended Banglore Tech Fest, representing college, to understand current tech landscape

**Mahatma Gandhi University**, BA in English — July 2020 – Mar 2023
- Did final thesis on LLMs and English language

## Accomplishments

1. **Erasmus+ Scholarship** Fully funded exchange at University of Padova, Italy by EU (2024)
2. **Rajagiri Scholarship for Excellence (RiSE)** Highest fee waiver awarded among all winners (2024)
3. **CAT Exam - 91.25 %ile** nationally (95.8% Quants, 96.6% Verbal) (2023)
4. **XAT Exam - 90.1 %ile** nationally (97.5% Decision Making) (2024)
5. **Master of Computer Applications Entrance - Rank 101** in Kerala State (2024)
6. (Upcoming) **CFA Level-I** Registered for 2026 May exam (2026)

## Experience

Co-Founder & CTO, **Pangolin Analytics** — Remote, Nov 2025 – present
- Bootstrapped a consulting company to gain experience solving real world problems
- Supported by co-founders from Oxford University and Glasgow University

Live Project, **Grant Thornthon Bharath** — Remote, May 2022 – Aug 2022
- Measured the impact of Quick Commerce on Kirana stores after taking questionnaire based survey of stores in Ernakulam and Thrissur district
- Assimilated the survey data and did a presentation of Quick Commerce impact at different geographies

## Skills

**Tools:** Excel, Alteryx, Mathematica, SPSS, Stata

**Finance:** Reconciliation, Financial Accounting, Transactional, Fraud analysis

**Quant:** Financial Modeling, Time-series analysis, Statistical analysis

**Tech:** Python, Rust, JavaScript, PyTorch, CatBoost, Llama.cpp, N8N, Flutter, Pandas, SQL

**Infrastructure:** Docker, Github actions, Amazon AWS, Google cloud platform, LLM deployment, AI-agent workflow

## Publications

**(Upcoming) Effect of Energy Usage of Public Bitcoin Mining Firms on Price Ratios** — 2026

Co-authored by Prof. Rintu Anthony, this paper uses a novel approach of generating a synthetic score for energy consumption by ingesting regulatory filings using LLM. Then, finds its effect on company's return-over-assets.
*Noel Jacob*, **Prof. Rintu Anthony**

## Projects

**Delulu AI** — Sept 2024

LLM chat app like Perplexity but with your API keys and open-source models (**rust, flutter, langchain lib**)

**Arch Linux Package Maintainer** – [github]() ↗                                         Apr 2024

Distributes builds of packages like Bun (fastest JS runtime) for Arch users (**rust, github actions**)

**Zig Compiler Manager** – [github]() ↗                                         Mar 2024

Install and manage different versions of compilers for Zig language (**rust, clap lib**)

**Crypto Wallet** – [github]() ↗                                         Nov 2022

Crypto wallet for Algorand blockchain, with NFT support. Built for Win, Linux, Mac platforms (**rust, javascript, tauri lib**)

**Algotrader for Crypto**                                         Feb 2022

Trades multiple crypto pairs by scraping sites for buy sell signals and uses Binance API. (**javascript, nodejs**)

**COVID Dashboard**                                         June 2021

Shows graph with spread per country with AI spread predictions. (**redis, redis AI, react**)

## Professional Certificates

1. **NISM: Mutual Fund Distributors** Allows to distribute mutual funds to consumers in India (2025)

2. **Alteryx Core** Use Alteryx to create low-code workflows (2025)

## Course Certificates

**Total: 52 courses completed on Coursera, edX, etc**

**Finance (11):** Risk Management, Global Markets, Fraud Analysis from KPMG, ISB (2), LMU Munich (3), etc

**Machine Learning (21):** Deep Learning, NLP, RL from IBM (2), Washington University, Helsinki University, etc

**Data Science (4):** Python libraries from Johns Hopkins University, IBM, University of Michigan

**Blockchain (16):** Smart Contracts from INSEAD (11), University at Buffalo (5), University of Nicosia

## Extracurricular Activities

1. **Agentic AI Challenge - 1st** by Rajagiri Business School (2025)

2. **Best Manager Competition - Finalist** by SCMS College (2025)

3. **Best Manager Competition - Finalist** by SCMS College (2024)

4. **MindsDB Machine Learning - 2nd** (2022)

5. **Ton Blockchain Smart Contract - Shared prize** pool money (2022)

6. **Machine Learning Challenge - 1st** at SRM University (2020)