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)

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 – <u>github</u> ⬀   Apr 2024

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

Zig Compiler Manager – <u>github</u> ⬀   Mar 2024

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

Crypto Wallet – <u>github</u> ⬀   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)