# IQBAL K I

**PH.D. CANDIDATE IN FINANCE**

Aluva, Kerala, India iqbal.nochayil@gmail.com +91 9746309726

Google Scholar LinkedIn ORCID

Ph.D. candidate in Finance with research interests in quantitative finance, machine learning, deep reinforcement learning, and portfolio management. My work focuses on developing data-driven investment strategies using artificial intelligence and advanced financial modelling techniques. I have published in internationally recognized finance journals and have teaching experience in finance and accounting at both undergraduate and postgraduate levels.

## RESEARCH INTERESTS

- Financial time series modelling and forecasting
- Quantitative finance and risk management
- Machine learning and deep learning methods for investment and portfolio management
- Neural network–based portfolio optimization and asset allocation

## EDUCATIONAL QUALIFICATIONS

**Ph.D. in Finance** **2022-Present**

*Cochin University of Science and Technology*

Research: Deep Reinforcement Learning Agents for Stock Portfolio Management

Expected Thesis Submission: November 2026

**MBA – Finance & Operations** **2017–2020**

*Cochin University of Science and Technology*

CGPA: 7.55/10

**Master of Commerce** **2018–2021**

*Indira Gandhi National Open University*

Percentage: 62%

**Postgraduate Diploma in International Business Operations (PGDIBO)** **2018–2019**

*Indira Gandhi National Open University*

Percentage: 63.17%

**Bachelor of Business Administration** **2013–2016**

*MES College, Marampally*

CGPA: 6.98

## ELIGIBILITY TESTS & FELLOWSHIPS

- **UGC NET & JRF – Commerce** (2020)
- **UGC NET – Management** (2019)

## RESEARCH OUTPUTS

### Publications

- Iqbal, K. I., & Ramachandran, R. (2026). Volatility Regime-Dependent Portfolio Optimization: Empirical Analysis of Deep Reinforcement Learning Agents. *Asia Pacific Financial Markets*, **(Scopus–Q1)**
  https://doi.org/10.1007/s10690-026-09629-8
- Iqbal, K. I., & Ramachandran, R. (2025). Dynamic portfolio optimization with deep reinforcement learning: Empirical insights from Indian capital markets. *The Journal of Financial Data Science*, 8(1), 115–129. **(Scopus–Q2)**
  https://doi.org/10.3905/jfds.2025.1.210

### Manuscripts Under Review

- Iqbal, K. I., & Ramachandran, R. Deep Reinforcement Learning Portfolio Strategies Across Market Capitalization Segments: Evidence from an Emerging Market. **(Scopus–Q2)**
- Iqbal, K. I., & Ramachandran, R. Deep Reinforcement Learning in Portfolio Management: A Comparative Study of Equity Market Agents. **(Scopus–Q4)**

### Working Papers

- Iqbal, K. I., & Ramachandran, R. Market Prediction Using K-Level Thinking Based Agent Modelling.

## PROFESSIONAL CERTIFICATION

**Data Scientist** **2022–2023**

*Simplilearn – IBM*

Focused on data science using Python, machine learning models, and complex data visualisation structures.

## CONFERENCE PRESENTATIONS

- Iqbal, K. I., & Ramachandran, R. (2024). *Artificial intelligence in stock market forecasting: Exploring the long short-term memory model for stock prediction.* Paper presented at the India Management Research Conference (**IMRC 2024**), Indian Institute of Management Ahmedabad,

India.

- Iqbal, K. I., & Ramachandran, R. (2023). *ESG consideration in investment decision: Investigating its impact on investment returns.* Paper presented at the 2nd International Management Conference on Industry 5.0, VIT Bhopal University, India.

## WORKSHOPS & FACULTY DEVELOPMENT PROGRAMS

- International Faculty Development Program on Financial Analytics Using Python
  *Alliance University* (December 2023)
- Workshop on Investment Analysis and Portfolio Management Using Real-Time Data
  *Christ (Deemed to be University), Bangalore* (June 2023)

## TEACHING EXPERIENCE

**Assistant Professor (BBA)** **June 2021 – May 2022**

*Al Ameen College, Edathala*

Courses handled: Financial Management, Cost and Management Accounting, Financial Accounting

**Assistant Professor (MBA)** **February 2021 – April 2021**

*Kannur University Centre, Nileshwar*

Courses handled: Financial Management, International Financial Management, Operations Research

## ACADEMIC SERVICE

- Teaching Assistance - Security Analysis and Portfolio Management, Financial Management & Financial Accounting (2025 - 26)
- Organizing Committee Member – International Doctoral Colloquium, School of Management Studies, Cochin University of Science and Technology (May 2025)
- Organizing Committee Member – International Conference & Doctoral Colloquium, School of Management Studies, Cochin University of Science and Technology (May 2026)
- Coordinator, Placement Cell for Research Students, School of Management Studies, CUSAT (2024–2025)

## PROFESSIONAL MEMBERSHIPS

- Member, Indian Society for Training and Development (ISTD)

## SKILLS

- **Programming:** Python, R
- **Modeling:** Financial time-series modeling and forecasting, deep reinforcement learning, machine learning methods
- **Visualization:** Power BI, Tableau

## REFERENCES

**1. Dr. Remya Ramachandran** **PhD Supervisor**

*Assistant Professor, School of Management Studies*

Cochin University of Science and Technology

remya.ramachandran@cusat.ac.in 9446035607

**2. Dr. Sam Thomas**

*Professor and Director, School of Management Studies*

Cochin University of Science and Technology

sam@cusat.ac.in 9846152127

**3. Dr. Madhu S. Nair**

*Professor, Department of Computer Science*

Cochin University of Science and Technology

msn@cusat.ac.in 9847009219