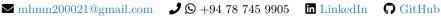# MAHINSA NETHMINA PERERA

BSc (Hons) Financial Mathematics and Industrial Statistics

Passionate about Financial Analytics • Investments • Data-Driven Strategies

✉ mhmn200021@gmail.com 📞⊙ +94 78 745 9905 🔗 LinkedIn ⊙ GitHub

PROFILE

Detail-oriented and intellectually curious, with a strong interest in finance, investments, risk management, and financial data analytics.

Known for being proactive and adaptable, with a passion for solving complex problems through data.

Skilled in statistical modeling and financial analysis tools, using R, Python, and Excel to support data-driven decision-making.

TECHNICAL SKILLS

Programming

- R
- Python
- SQL
- VBA

Software

Analysis: RStudio, Jupyter
Visualization: Power BI, Google looker
Office: Excel, Word, Project, Access, LaTeX
Other: Git, Markdown

COMPETENCIES

- Actuarial Science & Risk Theory
- Financial Mathematics
- Statistical Modeling
- Life Contingencies
- Survival Analysis
- Data Visualization
- Quantitative Research

LANGUAGES

- Sinhala
- English

CERTIFICATIONS

- Actuarial Training Program for Non-Actuaries: Life Insurance Financial Aspects

PORTFOLIO

Scan for projects

EDUCATION

B.Sc. (Hons) Financial Mathematics & Industrial Statistics *2022–Present*
University of Ruhuna, Sri Lanka

A/L in Physical Science Stream *2017–2020*
Sandalanka Central Collage

PROJECTS & RESEARCH

Restaurant Revenue Prediction using Regression Models *2024*
Case Study I

Fitting the Logistic Growth Model *2025*
Case Study II

Survival Analysis on Bone Marrow Transplant Patients *2024*
Course-Based Research

Currency Exchange & Interest Rate Comparison Dashboard *2024*
Ongoing Self-Initiated Project

Option Pricing using Binomial and Trinomial Trees *2024*
Coursework Assignment

Capital Markets & Financial Instruments Analysis *2025*
Ongoing Self-Initiated Project

Actuarial Risk Assessment Model *Ongoing*
Portfolio Development

Time Series Forecasting for Financial Markets *2024*
Self-Initiated Project

LEADERSHIP & ACTIVITIES

Organizing uCommittee Member - ProElevate 1.0 *Feb 2025*
University Actuarial & Data Science Society

Committee Member - RuEdCa'23 *2024*
University Career Guidance Unit

University Representative - Taekwondo Team *SLUG 2023*
University of Ruhuna

Served as Prefect during O/L & A/L *2014–2018*
Sandalanka Central Collage

Trainee First Aider *2011–2020*
St John Ambulance - Wayamba Province

ADDITIONAL INFORMATION

Career Goal: Aspiring financial professional specializing in investments, risk analysis, and data-driven financial modeling

Research Interests: Stochastic processes, survival analysis, ML applications in finance and investments

Others:
NVQ Level 3 in Draughtsperson (Completed)
NVQ Level 5 in Quantity Surveying (Ongoing, Wayamba Technical College)