

Munna Choudhary, FRM

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Summary

Credit Risk Modelling Professional with expertise in IFRS 9, Expected Credit Loss (ECL) estimation, and advanced financial forecasting techniques. Skilled in using Python, SAS, and Excel for developing predictive models, sensitivity analysis, and driving strategic business decisions. Proven experience in training, managing, and supervising high-performing teams to ensure project success. Adept at aligning risk strategies with business goals through effective collaboration with senior stakeholders.

Core Expertise: Credit risk modelling, IFRS 9, Expected Credit Loss (ECL) estimation, regulatory modelling, financial forecasting, scenario analysis, data analysis and insights, stakeholder collaboration, project management, financial reporting, sensitivity and stress testing, and Basel 3.1 framework

Professional Certifications and Education

- **Financial Risk Manager (FRM):** Global Association of Risk Professionals: Aug 2024
- **Investment Management with Python and Machine Learning (2024)**– EDHEC Business School: Mar 2024
- **Chartered Financial Analyst (CFA) Level 2 passed** – CFA Institute: Nov 2023
- **Financial Modelling and Valuation Analyst (FMVA)** – Corporate Finance Institute: Feb 2022 – May 2022
- **Master of Science (Finance and Investment)** - Loughborough University: Oct 2021 – Oct 2022 (Distinction)
- **Master of Business Administration (Finance)**- Punjab Technical university: July 2011- Sep2012(Distinction)
- **Bachelor of Commerce (Hons.)** - University of Delhi: Jun 2008 – Jul 2011 (Pass)

Recent Work Experiences

Modelling Analyst (Cambridge and Counties Bank) Mar 2023 – Current

- Developed and optimised IFRS 9 credit risk models (PD, LGD, EAD) for SME real estate finance portfolio and HNI Classic, Vintage, Sports Cars portfolio using SAS, and Excel, enhancing model accuracy by 15% and supporting predictive insights on defaults, losses, and other key credit metrics.
- Built advanced forecasting models to measure the changes in customer behaviour and credit risk impacts, leveraging Excel and SAS analytics to support strategic planning and provide insights into loss forecasting, P&L impacts, and stress testing results for informed decision-making.
- Partnered with stakeholders to assess business needs and deliver data-driven solutions, ensuring alignment of credit risk models with organizational objectives through effective data analysis and modelling.
- Conducted on-going model validation, including detailed Actual vs Expected analysis, impact assessments, and model calibration through the use of Through-the-Cycle PD and the Pluto Tasche approach, ensuring model accuracy and compliance with regulatory requirements.
- Maintained continuous Model monitoring through the tracking of PSI, CSI, and Gini Index metrics, further strengthening model robustness and adherence to regulatory standards.
- Led ICAAP documentation and reporting, calculating risk metrics, performing stress testing, sensitivity analysis, and managing concentration risk in compliance with PRA guidelines, ensuring capital adequacy and resilience.
- Applied discounted cash flow (DCF) analysis on defaulted loans, significantly enhancing loan recovery rates and contributing to portfolio health and effective capital adequacy planning.

Finance Manager (RMPro E-learning Solutions Pvt Ltd, India): Feb 2018 – Sep 2021

- Optimised financial reporting processes and transaction management, resulting in a 25% increase in cash inflow and a 10% reduction in operational costs.
- Led the development of financial forecasting models that enhanced the company's cash flow management and strategic planning capabilities.
- Guided a team of 15 freelancers, providing coaching and guidance, focusing on quality improvement, training, and performance monitoring to maintain operational excellence.
- Analysed revenue streams using Stripe and Razorpay, providing actionable insights that drove the company's business strategy.
- Managed variance analysis and financial reporting, delivering critical insights into profitability and liquidity, improving the company's financial health.

Professional and Technical Skills

- **Leadership and team management:** Spearheaded cross-functional teams to achieve key project milestones, delivering solutions that align with organisational goals and strategic initiatives.
- **Risk Management:** Expertise in risk management techniques, mitigating and provisioning for expected future losses.
- **Data Modelling:** proficiency in building and validating models using SAS and Excel for credit risk assessment.
- **Forecasting & Analytics:** Skilled in financial forecasting, sensitivity analysis, and stress testing using time series

analysis and ARIMA models.

- **Project Management:** Proven success in managing high-impact analytical projects, collaborating with senior leadership, and delivering results in fast-paced environments.
- **Modelling Tools:** MS Excel, SAS and Python

Key Projects

- **Redevelopment of Credit Grading Model for Real Estate Finance Portfolio:** Aug 2024 – Present
- **Pluto Tasche PD Model Recalibration for Real Estate Finance (Low Default Model):** Apr 2024
- **Macroeconomic Model Enhancement for Probability of Default per IFRS 9:** Sep 2023
- **LGD and EAD Model Development for Real Estate Finance Portfolio per IFRS 9:** Apr 2023 – Jul 2023
- **Econometric Analysis of Mergers and Acquisitions Using OLS, ARIMA, and Logistic Regression:** Apr 2022 – Jul 2022

Other Work Experiences

Investment Fund Advisor - Freelancer (Prudent CAS Advisory Services, India): Feb 2013 – Sep 2021

- Developed tailored investment strategies for individual clients through comprehensive assessments of their financial goals, resulting in a 15% increase in new client investments.
- Conducted detailed fund analyses, evaluating performance metrics, risk-adjusted returns, and maximum drawdown to enhance investment decision-making.
- Delivered high-quality investment proposals to retail investors, driving portfolio growth and expanding the client base.

Online Tutor cum Trainer- Contract (Trivium Education Services Private Limited, India): Dec 2012 – Dec 2017

- Provided bespoke online tutoring to students in the US and Canada, creating customised study plans, notes, Q&A guides, and practice questions to significantly enhance their subject comprehension.
- Trained and mentored over 30 new tutors, helped them get necessary tutoring skills to handle high demand tutoring lessons and deliver an excellent student experience
- Led and managed a team of eight finance and accounting tutors, delivering crucial support and leadership during onboarding and problem-solving, demonstrating exceptional team management and leadership capabilities.

Clubs and Voluntary experiences

- **Cambridge and Counties Bank Pension Club (April 2023 – Present):** Actively support employees in managing their pension portfolios by conducting detailed risk profiling, strategic investment planning, and selecting optimal funds to meet post-retirement goals.
- **Loughborough Finance and Investment Society (January 2022 – July 2022):** Engaged in high-impact events focused on equity research, financial modelling, and corporate finance, significantly expanding my expertise and networking within the finance sector.
- **GMR Varalakshmi Foundation (January 2007 – May 2011):** Collaborated with the program manager to design and execute educational and livelihood initiatives, organising after-school sessions and activities that profoundly impacted the academic and personal development of marginalised students.
- **Magic Bus India Foundation (Youth Mentor, January 2011 – July 2011):** Spearheaded sports and community mobilisation activities, imparting life skills and mentoring youth to enhance their development and engagement through impactful community initiatives.