

E k a l a v y a P r a s a d

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Finance Analyst with strong analytical skills and extensive experience working with large data sets and conducting detailed variance analysis. Expertise in financial modelling, forecasting, and report generation using Excel, Python, and SQL, with hands-on experience leveraging data for strategic decision-making. Top academic performance in Financial Management MSc at the University of Birmingham with a distinction grade and practical experience in credit risk modelling and automated reporting processes using AI. Part-qualified CIMA with a proven ability to deliver insights in high-level meetings and contribute to process improvements in dynamic, multi-national environments.

EDUCATION

MSc Financial Management (Distinction) • University of Birmingham

2023 - 2024

Key Modules

- **Financial Statement Analysis & Valuation:** Top grades in credit/equity reports, prepared IFRS-compliant financial reports.
- **Financial Modelling:** Applied statistical methods for financial modelling and forecasting using Excel, Python and Stata

Dissertation: "Credit Risk Modelling using Deep Learning & AI" – Built and implemented AI models to predict default risk using individual credit data, analysing traditional credit rating methodologies to enhance predictive accuracy. Achieved top marks in the class with a 1st rank for this dissertation.

Research Project: Developed a web application that fully automates Moody's Credit Rating process using a combination of machine learning and natural language processing (NLP) techniques.

- Encoded Moody's quantitative and qualitative credit rating methodologies, automating the quantitative aspects using Pandas data frame algorithms to process financial data from Yfinance and annual reports.

Certifications: CIMA (Part-qualified), Certificate of Treasury (Part-qualified)

Bachelor of Commerce (First Class Honors) • Sri Sathya Sai Institute of Higher Learning

2020-2023

Key Modules:

- **Banking Theory and Law:** Learned the workings of financial institutions in-depth. Studied the IFRS9 framework in-depth.
- **Investment Analysis:** Developed a strong foundation in debt instruments, derivatives, options, etc.

Research Project: Portfolio Management and Risk modelling using Python, SQL and Quantopian.

EXPERIENCE & EXTRACURRICULAR

Corporate Analyst Development Program (CADP) • J.P Morgan Chase & Co. (on Forage) Aug 2024 – Oct 2024

- Conducted in-depth data analysis on a 1500-row dataset, validating sales leads based on key business criteria and ratios.
- Crafted a storytelling-driven presentation using PowerPoint to communicate process improvements to stakeholders.

Library Shaper • University of Birmingham

Nov 2023 – Aug 2024

- Managed cross-functional teams, Coordinating with student volunteers and staff to ensure successful campaign execution.
- Spearheaded a workshop on the responsible use of generative AI in research, from planning and content development to execution, helping over 100 students understand and implement AI tools in their academic work.

SKILLS

Python: Applied Python for data analysis, developing AI models, and LLM-based software, demonstrating advanced proficiency.

MS Excel: Advanced proficiency with VLOOKUP, Pivot Tables, Macros, and financial modelling functions. Used for in-depth analysis, automation of financial reports, investments, and risk analysis.

Bloomberg Terminal: leveraged the database to access financial reports, gain economic data and derive valuable insights.

SQL: Used to extract, manipulate, and analyse large datasets during internships.

Tableau & Power BI: Implemented and presented interactive dashboards analysing ball-by-ball IPL match data.

Fundamentals of AWS: deployed a static website to AWS as a part of a course on Udacity.

LANGUAGES

English: Fluent

Hindi: Fluent

French: Intermediate Proficiency, achieved a triple diploma (awarded by the Alliance française)