PAVAN KUMAR MAGANDI

Financial Analyst • Credit / Sovereign Risk Analyst • Data & BI Analyst • FP&A & MIS Reporting

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Professional Summary

MBA in Finance & Analytics with 2.5+ years in MIS, financial reporting, and FP&A support, plus hands-on credit, market, and sovereign risk analysis built through an end-to-end Global Sovereign Risk Dashboard covering 183 economies (Python, SQL/PostgreSQL, Tableau, Advanced Excel). Delivers regulatory-ready reporting, risk models, and BI dashboards that support investment and compliance decisions.

Core Competencies

Finance & Risk: Financial Statement Analysis, Financial Analysis & Modelling, FP&A Support, Budgeting & Forecasting, MIS & Regulatory Reporting, Credit / Market / Sovereign Risk, Portfolio Optimization (CAPM, VaR, Monte Carlo), AML & Compliance, ESG Analysis

Analytics & BI: EDA, Statistical Modelling, Regression Analysis, Hypothesis Testing, Time-Series Forecasting, ETL & Data Pipelines, Scenario Analysis, Root Cause Analysis, KPI, Data Validation, Dashboard Development & Visualization, Business Intelligence

Tools & Languages: Python (Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn), SQL (PostgreSQL, MySQL) (Joins, CTEs, Subqueries, Window Functions), Advanced Excel (Power Query, XLOOKUP, Pivot Tables, Index-Match), Power BI (DAX), Tableau, R

Key Projects

Global Sovereign Risk Dashboard — Sovereign, Credit & FP&A Risk Analytics (IMF & World Bank Data) (PostgreSQL, Python, Tableau, Excel): Engineered an end-to-end sovereign risk early-warning system across 183 countries (2018–2026) by integrating IMF WEO and World Bank GEM datasets, reduplicating 23,149 raw records into 1,627 verified observations, and resolving 5 data-integrity defects, including a ratio-of-averages miscalculation and a 65,374% inflation-outlier distortion.

- Designed a 4-pillar, 8-indicator weighted "Safe Score" composite risk model (Fiscal, External, Growth, Monetary) mirroring S&P/ Moody's/ Fitch sovereign rating methodology; back tested against 3 real sovereign crises: Sri Lanka (2022 default), Ghana (2022 debt restructuring), and Pakistan (2022–23 IMF bailout), with scores showing multi-year deterioration ahead of each crisis.
- Executed 10 PostgreSQL analytical queries: CTEs, window functions (LAG, LEAD, RANK), multi-table joins across 3 normalized tables, identifying and remediating a systemic `DISTINCT ON`/`ORDER BY` logic error that had silently substituted IMF forecasts for observed actual, correcting debt-to-GDP, misery-index, and CAGR calculations across affected economies.
- Delivered 6 interactive Tableau dashboards spanning 20+ worksheets and 150+ calculated fields, operationalizing the Safe Score model with a diverging-scale risk map, green/amber/red status classification, and cross-filter drill-down for investment decision support.

Portfolio Optimisation & Financial Risk Management (Excel)

- Designed a 10-asset portfolio from a 50-asset universe using regression-based CAPM and Efficient Frontier analysis, then stress-tested it via VaR and Monte Carlo simulations across market-crash, liquidity-crisis, and bull-market scenarios to set risk-adjusted breach thresholds.

Professional Experience

Xanadu Realty Bengaluru, India — Mar 2025 – Jun 2025

Management Trainee — Sourcing & Financial/Business Analytics

- Planned & Executed a lead-mapping solution through data cleaning and reduplication across 5+ channel partners, applying lead scoring & segmentation logic to surface 300+ high-intent prospects, improving data quality and cutting cost-per-qualified-lead about 25%.
- Developed a BI dashboard for funnel analysis (lead-to-deal conversion) along with campaign ROI/trend analysis, enabling data-driven decision-making for KPI reporting and budget/resource allocation.

MCX India Hyderabad, India — Apr 2024 – May 2024

Research & Analytics Intern — Financial Analytics

- Analysed 15+ years of MCX base-metals data (time-series & volatility) to identify market risk patterns and support price forecasting.
- Applied ANOVA/T-tests to validate commodity trend significance, then built R-based visualizations to track those trends and quantify downside risk for hedging decisions; contributed to published MCX–ICFAI research on price risk and ESG/SDG compliance.

TCL–POTPL Tirupati, India — Aug 2019 – Mar 2022

Associate Process Testing Engineer & Team Lead

- Produced daily & weekly SOP-compliant MIS reports and an Excel-based inventory monitoring system across 5 production lines, reducing audit non-conformities and eliminating production interruptions through optimal stock maintenance.
- Led a cross-functional team to deliver a mass-production milestone 3 weeks early despite COVID-19 disruption, with zero critical defects.

Education

MBA — Finance & Analytics: IBS Hyderabad, IFHE University | 2023–2025 | CGPA 7.78/10

B.Tech — Electronics & Communication Engineering: Andhra University College of Engineering | 2015–2019 | CGPA 7.64/10

Certifications & Achievements

- Data Science Program — Accio Certificate, E&ICT IIT Guwahati (Expected Dec 2026): SQL (PostgreSQL), Python for Data Analytics, Advanced Excel, Power BI; currently pursuing Machine Learning and GenAI.
- Published Research — Acknowledged contributor, MCX–ICFAI Business School study, "Hedging of Price Risks in Base Metals," MCX India Research Studies portal.
- CAT 2022 — 92.93 percentile | NMAT 2022-23 — 242 | National distinctions in AMTI, AIMEd, SIMO.

Languages

English — Professional | Hindi — Native | Telugu — Mother Tongue