NISH VERMA, CFA

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Canadian Permanent Resident

EXPERIENCE

CRISIL (A S&P Global company) — New York
Associate Director, Global Risk and Analytics — *09/16-till date*

- **Valuation:** Pricing, validation and risk management of front office pricing models of Rates, Fixed Income and FX derivatives for a major Japanese investment bank; Pricing of equity derivatives and equity hybrids for a global investment bank; VaR model backtesting and validation; VaR attribution for daily reporting;
- **Risk Analytics:** Development of Market Risk and Credit Risk models; SOFR migration; IFRS 9 / CECL migration; SIMM Model validation; Stress Testing; Scenario Generation and expansion;
- **Leadership:** Manage a team of quants engaged in various pricing and valuation projects across various asset classes
- **Model Validation:** Validation of several PD/LGD models for CCAR submission; Wrote and reviewed several model validation documents as per SR-11 7 guidelines
- **Project Management:** Managed resourcing, billing and utilization of large teams for multi-million dollar projects; Produced dashboards for management reporting as well as for effort tracking of various resources

Algorithmics – An IBM Company — New York
Senior Consultant, Risk Analytics — *06/12-08/16*

- **Pricing and Validation:** Modeling/Pricing/Analytics of Fixed Income, Equities, FX, Derivatives, Commodities, CDS; Historical & MC scenario analysis; Stress testing; reduced pricing discrepancies from ~20% to ~2%
- **Market Risk:** Market Risk measures and reports – Calculation/Validation of durations, convexities, greeks; risk attribution and analysis; what-if scenarios and impact analysis
- **Credit Risk:** Credit Risk measures and reports – Exposure (EAD, EPE, PFE) and Limits management, Collateral management, CVA, Wrong and Right Way Risk; reduced reporting turnaround from monthly to daily
- **Regulatory Reporting:** Participated in discussions on regulatory reporting to design software solutions
- **Risk Analytics:** Worked with various clients to understand their risk reporting requirements and created reports and commentary for senior management; reduced number of reports from a few hundred to 60
- **Portfolio Analytics:** Calculated risk and portfolio attributes for investment portfolios; performed risk and return attribution; portfolio construction and optimization; stress testing of portfolios under different scenarios

UBS INVESTMENT BANK — New York
Associate Analyst, Equity Research (MLPs – Master Limited Partnerships (Natural gas, NGLs & Pipelines)) — *04/11-06/12*

- **Coverage Space:** EEP, EPD, PAA, CHKM, ETE, ETP, CPNO, BPL, MWE, NKA, PNG and several others
- **Financial Modeling:** Built financial / market models for companies / sector using cash flow valuation, regression analysis and industry comps; M&A analysis; improved earnings prediction accuracy to within $0.02;
- **Research Reports:** Authored sector reports on natural gas and liquids market, earnings preview / earnings report for coverage space; analyzed earnings impact on stocks and updated models to reflect the same

ALGORITHMICS INC. (A Division of FITCH Group) — New York
Senior Integration Engineer — *09/07-07/09*

- **Quantitative:** Assisted financial engineers in validation of risk attributes of Fixed Income and Equity instruments; implemented pricing functions for calculating risk attributes for Fixed Income Instruments

WIPRO TECHNOLOGIES — *06/04-09/07*

EDUCATION

Certification/Affiliation – **CFA**

Carnegie Mellon University – Tepper School of Business (GPA - 3.83/4) — Pittsburgh
*Master of Business Administration – **MBA*** — *05/11*

- Track: Investment Strategy; Concentrations – Finance, Economics, Accounting, Quant
- Memberships: VP-Activities, Alpha Asset Management Club, President – South Asian Business Association
- Graduate Teaching Assistant: Finance 101

West Bengal University of Technology (DGPA – 8.1/10) — India
*Bachelor of Engineering in Information Technology **– B.E. (IT)*** — *06/04*

- **Skills:** Bloomberg, Factset, Murex, Algorithmics, Numerix, VBA, SQL, Python