Jean-Dipak SEN

View the Project on GitHub lecoultre/resume

Data Scientist & Risk Manager

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Technical Skills: Python (including AI and machine learning libraries), SQL databases (Postgres, MSSQL, Oracle, MySQL), Cloud (AWS, Azure), Data Analytics (Tableau & Power BI), ERP (SAP and Oracle), Design (Solidworks, Blender & FreeCAD)

Education & Certifications

- Financial Risk Manager (FRM), The Global Association of Risk Professionals (*2018*)
- Accounting and Finance - Diploma, London School of Economics (*1998*)
- International Relations - Masters & BA, The Graduate Institute Geneva (*1992*)

Work Experience

Data Scientist & Risk Manager @ Fortrisk (*2020 - Present*)

- Designing a risk management software platform in Python
- Coding a risk management platform with Postgres SQL, Django and Rest API
- Building dashboards for clients (dashboards for market, credit and operational risk)

Data & Risk Analyst @ The Global Fund (*2015 - 2019*)

- Designed and coded market risk models (ALM & VaR) for a 3 billion dollar FX portfolio

- Designed and built data warehouses to improve risk management and analytics
- Implemented audit recommendations, mitigated risks via root cause analysis and drafted operating procedures

Business Analyst @ Lombard Odier (*2005- 2009*)

- Managed the rollout of complex IT projects (including SAP) for the Bank's remuneration and performance reviews
- Ensured the smooth operation of the bank's payroll and remuneration systems
- Built a data warehouse on performance related data (ETL and reporting)
- Performed scenario analysis on the bank's performance and bonus pool

Management Consultant @ PriceWaterhouseCoopers (*2000 - 2005*)

- Advised financial institutions on business intelligence, pricing and client segmentation
- Performed scenario analysis using data science techniques and machine learning
- Built reporting dashboards for top management (for example extracting data from SAP to Cognos OLAP)
- Assisted on company turnarounds & business audits and presented recommendations to C-level executives

Fund Accountant @ Capital International (*1998 - 1999*)

- Calculated the net asset value of an emerging market fund worth close to $1 billion
- Supervised the valuation of private placements and illiquid securities
- Supervised trades and currency transactions on different international capital markets

Head of Sub-Delegation & Delegate @ International Committee of the Red Cross (*1995 - 1997*)

- Visited prisoners of war to verify detention conditions (Bosnia Herzegovina & Peru)
- Monitored the application of the Geneva conventions and rules of war
- Liaised with military and government officials to ensure security and prison visits
- Managed a Red Cross delegation during the insurgency in Iraq (in 2004)

Projects

Founder @ Bienfacture (*2020 - Present*)

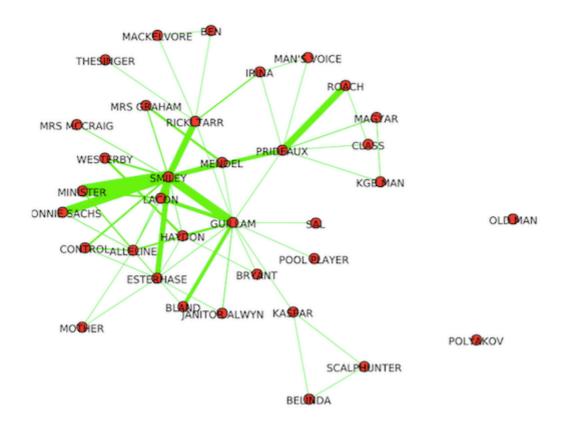- Creating a new brand in the manufacturing sector. Work includes product design, manufactuting and marketing.

Founder @ Tricouni (*2010 - 2015*)

- Relaunched an iconic Swiss mountaineering brand, including product design and raising funds with private investors.

Publications

Text Analysis of Tinker Tailor Soldier Spy

Using the Python package nltk (natural language tool kit) interactions between characters of John le Carré's book are mapped helping identify the mole.

Client segmentation in wealth management

Developed a client segmentation approach to classify clients into segments using Principle Components Analysis and k-means clustering.

This project is maintained by lecoultre