PRAJNANEIL PAL

Quantitative Credit & Climate Risk Management

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SUMMARY & OBJECTIVE

Analytics professional with 6+ years of experience **Looking for a Position in a Bank** to leverage expertise of **working with 10+ Banks in the Middle East**, specializing in Quantitative problem-solving and Regulatory Compliance. I bring **Advanced Modeling Capabilities** and **Climate Risk** management expertise gained in the UK to enhance Strategic and Operational excellence.

STRENGTHS

- Leveraged Extensive Consulting Experience in diverse financial institutions across the Middle East, mastering manifold Credit Risk Methodologies and Local Regulatory Compliances.
- Exceptional Stakeholder Management, Regulatory and Audit Resolution skills, ensuring effective communication and compliance across all levels of operation.
- Developed and Validated Advanced/ Sophisticated Models under IFRS9, IRB frameworks and Machine Learning Models for key banks (G-SIBs) in the UK and US, enhancing my technical proficiency.
- Spearheaded the implementation of pioneering Climate Risk Stress Testing framework in Tier 1 banks in the UK, from ground up.

EXPERIENCE

4most Europe Analytics Consultancy

Manager/ Senior Consultant · 01/2023 - Present · London, UK

Worked as a hands-on quantitative consultant and also led small team of 4 consultants, part of the core Climate Risk team, delivered couple of difficult projects in 2023 to get CEO recognition

- Developed **Climate Risk Stress Testing** Framework, **Physical Risk** and **Transition Risk** Models, Gap Assessment following **BoE CBES** guidelines
- Dealt with Climate Risk Geospatial Data Vendor selection and related Benchmark Analysis
- Extensive **Research** on **Climate Risk**, helped to develop innovative methodologies (Retrofit, Land Value, VHR, Carbon Cost, GVA) and authored Multiple Papers published and shared with clients worldwide
- **Climate Risk Model Validation** & Profiling
- Developed **IRB Hybrid PD Scorecards** for Mortgage lender
- Developed **IRB LGD Models** (PPD, TTS, FSD, MRP, LGC etc)
- Developed **Macroeconomic Forecast Models** (GVA/ GDP)
- Worked on Product Development - **Stress Testing Engine in SAS**
- Supported the clients to close queries from **Validation** team and **PRA**

Ernst & Young UK

Senior Consultant · 08/2022 - 01/2023 · London, UK

Worked as a hands-on consultant in the Quantitative Risk Advisory team on Credit Risk and Climate Risk front

- Developed **Macroeconomic, PD and LGD** models for IFRS9 re-development of SME portfolio of a G-SIB
- Explored **Transition Risk (Climate Risk)** models for low-default portfolios of a Tier 1 bank in the UK for EA, LA, NAA Scenarios (Pluto-Tasche, Vasicek-Merton, Ordered Probit Models)
- Delved into **Advanced Models** like LSTM, ARDL, Arimax, MARS, State-space to forecast stock price in EA, LA, NAA Scenarios

CLIENTS SERVED (25+)

Al Rajhi Bank · SNB Capital · Abu Dhabi Commercial Bank · Emirates National Bank of Dubai · RAK Bank · United Arab Bank · Ajman Bank · SHUAA Capital · Citibank Bahrain · Citibank US · Citi Banamex · Lloyds Banking Group · HSBC UK · Barclays Bank · Virgin Money UK · Nottingham BS · Atom Bank UK · Invest Bank Jordan · HBTF Jordan · Hatton National Bank · Nations Trust Bank · Suryoday Bank · Aditya Birla Finance

KEY SKILLS

Credit Risk · Climate Risk · CBES 2021 · IFRS9 · IRB · Stress Testing · Predictive Modeling · Model Validation · Portfolio Analytics · Statistical Inference · Time Series Analysis · Data Structures · Automation · Product Development

R Programming · SAS · Excel VBA · Python · Gitlab

REFERENCES

Faizan Saleh
Head of ERM, Al Rajhi, Riyadh KSA

Sriram Tigulla
Executive Manager - Risk Management, Doha Bank, Doha Qatar

EXPERIENCE

Deloitte Middle East

Senior Consultant 09/2021 - 07/2022 Dubai, UAE & Hybrid

Worked as a part of the core Quantitative team, led small team of consultants and analysts, delivered smaller projects independently, contributed to business development

- Bank-wide **Remediation of Regulatory Feedback** on Data, SICR Rules and Quantitative Modeling framework (PD, Transition Matrix, LGD)
- One of the firsts to follow **CBUAE Model Management Standards**, **Interacted with CBUAE Regulator** to discuss Model Methodologies
- **Developed PD, LGD Models** for Implementation of **IFRS9** framework
- Developed PiT LGD Models for 2022 **CBUAE Stress Testing** exercise
- **Validated Scorecards, Rating Models, IFRS9 Models** and framework
- **Quantitative Support to IFRS9 Audit**, Impact evaluation to check materiality, Drafted entity-level memos

Citicorp Services India Private Limited (Citibank)

Assistant Manager 05/2020 - 09/2021 Mumbai, India

Led 4 analysts in the Model Risk Management team majorly dealing with Portfolio Analytics/ CLTV Models of different geographies

- **Validated Acquisition** and **Existing Customer Management scorecards, Segmentation, Upsell, Cross-sell** and **Fraud** models for US, Canada, Mexico and Korean markets
- Developed challenger models using Regression and ML models like Decision Tree, CHAID, Gradient Boosting, XGBoost etc
- Understood the **Impact of COVID19 Policies** in the retail space of different geographies
- **Stakeholder** presentation, efficiently managed interactions with **1st** and **3rd Line of Defences**

Aptivaa Consulting Solutions

Consultant 09/2018 - 05/2020 Mumbai, India & Riyadh, KSA

Worked hands-on and delivered 10+ projects in Middle East and Asia, led team of 3 coders during product development, conducted trainings, drove business development, recognised by the leadership early, was given client facing role and stakeholder management within 3 months and was promoted in less than 6 months

- Worked as a BA at the client site and led a team of coders to **Develop** and **Implement an Automated Toolkit** in Rshiny for **Validation** and **Report generation** directly from the bank's database with numerous customization options for one of the **largest bank in the Middle East**
- Implemented **IFRS9** framework [**Corporate/Retail, Multiple Entities, First-generation/ Revised Models**] in several banks in the Middle East
- **Quantitative Stress Testing** following CBUAE guidelines
- Developed an **Excel-based** tool to calculate **ECL, RWA** and **CAR** for Stress Testing
- **IND AS109** (IFRS9) Implementation
- **Validated Rating Models, Scorecards** and provided recommendations and refinements
- **Developed toolkits** for automated **SICR staging, ECL Computation** and **Disclosure** & **Validation Report** and **Dashboards** etc
- Assisted clients in resolving queries from **Validation, Audit** and **Regulator**

Avati Consulting Solutions

Consultant 02/2018 - 04/2018 Mumbai, India

Worked as a part-time quantitative model developer and got introduced to IFRS9 regulations for the first time

- Developed **Macroeconomic** and **PD** models
- Implemented first generation **IFRS9** framework

REFERENCES

Jahan Ali Biswas
Head of Risk Analytics, Dukhan Bank, Doha Qatar

Vivek Gupta
Managing Director & Product Head, Aptivaa Consulting Solutions (cognext.ai), Dubai UAE

Kautuk Choubey
AVP, Dubai Islamic Bank, Dubai UAE

Aakash Gupta
Director, Deloitte Middle East, Dubai UAE

Jing Shi
Director, Citibank, New York US

EDUCATION

Masters in Science - Economics

University of Calcutta
09/2016 - 07/2018 Kolkata, India

- Specialisation on **Statistics, Econometrics, Macroeconomics** and **Finance**
- Thesis Paper on *"Prevalence of Alternative forms of Medicine in different parts of India"*
- Mentor: Dr. Arijita Dutta, Dept. of Economics, University of Calcutta

Bachelor in Science - Economics

University of Calcutta
08/2013 - 06/2016 Kolkata, India

CERTIFICATIONS

Academic Qualification Level Statement
ECCTIS

Machine Learning Engineer Nano Degree
Udacity, Coursera

Certified SAS Advanced Programmer
Simplilearn

Data Science with SAS
Simplilearn

Statistics Essentials for Data Science
Simplilearn

Complete Python Bootcamp
Udemy

Algorithm and Data structures in Python
Udemy

Algorithmic Trading & Quantitative Analysis Using Python
Udemy