

MUHAMMAD IBAD DESMUKH

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EDUCATION

Queen Mary University of London. London, United Kingdom. *September 2023 – September 2024 (expected)*

MSc Computing and Information Systems (Software Systems stream)

Courses: Computer Architecture and Networks, Computer Programming, Software Engineering, Database Systems, Interactive System Design, Data Analytics, Security and Authentication, Risk and Decision Making for Data Science and AI

Institute of Business Administration. Karachi, Pakistan.

June 2014

Bachelor of Business Administration (Honors) in Finance – CGPA: 3.42

Foundation Public School. Karachi, Pakistan.

GCE Advanced Level (Physics, Chemistry, Mathematics)

June 2009

GCE Ordinary Level (Science)

June 2007

SKILLS

- Confident in Python, HTML, CSS, JavaScript, React, SQL, Figma and Git.
- Passing knowledge of C.
- Ability to quickly grasp new programming languages, frameworks and technologies.

PROJECTS

- User interface design and prototype development of 'Thrive' – a mobile app to help autistic people build workplace skills through online courses.
- Design and implementation of dashboard for analyzing trends in Covid-19 data using Python.
- Design and implementation of database for a college library using SQL.
- Corporate Financial Risk Level Prediction with historical financial data using Decision Tree and K-Nearest Neighbors Classification

PROFESSIONAL EXPERIENCE

Rating Analyst, SIMAH Rating Agency - Tassnief (Riyadh, Saudi Arabia)

January 2023 – September 2023 (Remote), January 2021 – June 2022 (Full Time Onsite)

- Independently handling rating assignments for entities of varying sizes and preparing reports and rationale for the assigned ratings.
- Leading the development of a new rating product called 'Engineering Firm Assessment'.
- Preparing a detailed internal credit assessment report including:
 - In-depth analysis of financial statements, ratio analysis and their trends.
 - Evaluating market risk factors and studying impact on capital structure of the issuer with understanding of liquidity trends.
 - Analyzing the business model, identifying strengths, weakness, risks, understanding the revenue models and the corporate structure of the firms.
 - Discussing the business profile of the issuer and credit risk considerations with detailed peer analysis on the operating and financial side.
 - Identifying triggers, gauging severity of liquidity pressures and assessing means of mobilizing funds for contingencies and conducting material event reviews upon the occurrence of or announcement/ news of material events.
- Conducting research on the industry in which the company is operating and keeping a track on the performance of the industry as a whole.
- Conducting due diligence on quarterly basis to look for potential deterioration in financials which might lead to defaults/ delays in servicing of debt obligations.
- Independently handling discussions with the issuer's top management, auditors and bankers, having a bearing on the credit rating.

Manager – Research and Ratings, VIS Credit Rating Company (Karachi, Pakistan) *July 2018 – December 2020*

I joined JCR-VIS in June 2015 as an Assistant Manager. Based on my performance and assessment of leadership skills, I was promoted to the position of Manager in July 2018. JCR-VIS Credit Rating Company is operating as a rating agency providing independent rating services in Pakistan. JCR-VIS is a joint venture between Japan Credit Rating Agency, Ltd. (JCR) – Japan's premier rating agency, Vital Information Services (Pvt.) Limited (VIS) – Pakistan's only data bank and financial research organization.

- Preparing economic and industry overviews. Authored financial analysis reports of industrial corporates across various sectors, commercial banks, insurers and asset management firms.

- Supervising a team with regards to financial analysis, industry research and risk evaluation of diverse companies; current portfolio includes 25 companies with total asset size of ~US\$ 2.0 billion.
- Performing in-depth industry research of 20 different business sectors including healthcare, pharmaceutical, telecom tower and oil marketing. Developed understanding of how industry factors affect an institution's performance and risk profile.
- Completed financial analysis of 60+ private and publicly listed firms with a total asset size of ~US\$ 18.6 billion by incorporating thorough financial analysis of ratee, preparing & conducting client due diligence and developing detailed report. Findings were presented to senior management and approved in ~70% cases.
- Conducting training sessions for senior management and junior staff covering industry overviews (automotive sector) and financial analysis (infrastructure projects).
- Scope of work incorporates a combination of quantitative and qualitative variables including, but not limited to, financial statement analysis, sector research, internal control systems evaluation, management quality assessment and credit risk scoring.
- Write rating methodologies.
- The work environment and job requirements have played an instrumental role in developing leadership, analytical, interpersonal communication, presentation and report writing skills.

TRAINING AND CONFERENCES

- "Infrastructure Projects and Their Financing" – Manila, Philippines by Association of Credit Rating Agencies in Asia, September 2018

Assistant Manager – Research and Ratings, JCR-VIS Credit Rating Company

June 2015 – July 2018

- Conducted comprehensive market research of different business sectors including sugar, rice, fertilizer, telecom, pharmaceutical, brokerage, oil marketing companies and edible oil.
- Engaged with clients' leadership team during rating process; demonstrated ability to tactfully present arguments.
- Initiated credit ratings of securities brokerage firms and assisted senior management in establishing rating methodology. Laid foundation to grow customer base and generated annual recurring revenue of ~PKR 3.6 million.

Analyst – Equity Research, Ismail Iqbal Securities Limited

December 2014 - May 2015

- Actively researched public equities within industrials, materials, and consumer sectors in Pakistan; overall efforts improved firm reputation in buy-side community, augmented revenue from brokerage services and increased proportion of company trades within sectors under active research coverage
- Generated investment ideas through fundamental analysis of companies within assigned sectors
- Studied and forecasted macro and industry-specific variables to ascertain future outlook for companies; built relationships with company management and industry personnel to gain rapid access to information; conducted market research to gain further insight and corroborate information
- Prepared financial models for companies under active coverage; used models for forecasting, valuation, sensitivity analysis, and peer comparison
- Wrote reports to update investment stance; provided periodic information to clients through written and verbal communication; presented investment recommendations to major clients and equity sales team
- Identified undervalued small-cap stocks outside coverage universe; initiated active research coverage on multiple companies to enhance client returns and generate firm revenue and goodwill

Intern – Pakistan Telecommunication Company Limited (PTCL)

June 2013 - August 2013

- Project 1- Revenue Analysis: Reviewed the financial pattern of product wise revenue streams of past 3 years and analyzed the effects of various changes in credit monitoring policies over total revenue in order to make future forecasts. Identified the areas which are prone to deviations and recommended stronger controls.
- Project 2- Improving the PTCL Business Model: Worked collaboratively within a team comprising of interns from different functional areas. Presented a holistic model senior management in terms of strengthening the functional departments such as finance, marketing, human resource, information technology and sales.

INTERESTS AND SKILLS

- Interests: Reading, writing, puzzle solving.
- Basic level ability of writing and speaking in Arabic.