

VIJIT MEHROTRA

Data Science Consultant

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SUMMARY

Dynamic professional with expertise in generating impactful business insights through data analysis and modeling. Proven track record in client-focused roles, leveraging automation to streamline processes. Adept at harnessing data for informed decision-making, employing models to drive strategic outcomes. Passionate about the intersection of business and data, contributing to organizational success through innovative approaches.

SKILLS

SQL • Python • Advanced Excel • Data Analysis & Visualization • ETL Process Automation & Data Quality Assurance • Machine Learning & AI • Generative AI • Linux • Azure OpenAI • LLMOps • Langchain • Retrieval Augmented Generation • Github & GitLab • LlamaIndex

EXPERIENCE

Quation Solutions Pvt Ltd Bangalore, India
Data Science Consultant - GenAI Developer 05/2024 - Present

- Developed a Generative AI-powered chatbot for querying a data catalog using RAG architecture, vector databases, and LLMs. Integrated with a Google AI chatbot, it handles out-of-catalog queries, ensuring real-time, secure data access and improving decision-making and team collaboration.
- Developed a Generative AI-powered code reviewer using LLM models and LLMs to automate code quality checks and provide suggestions during the merge request process. Integrated with GitLab to ensure consistent formatting, improve readability, optimise error handling, eliminate redundancies, and suggest improvements, streamlining code reviews and reducing manual effort for faster development cycles.

Quation Solutions Pvt Ltd Bangalore, India
Consultant - Data Analyst / Data Engineer 05/2023 - 04/2024

- Designed ETL pipelines in PostgreSQL/Python to seamlessly load quarterly/weekly Excel account lists into production database tables, improving lead generation criteria
- Enhanced real-time data retrieval from live PostgreSQL tables, boosting query performance by 60% and optimised schema space by 30%, ensuring clients receive accurate and timely insights
- Conducted buyer analysis on account target lists quarterly, revealing priority coverage percentages for key strategies (buy more, cross-sell, acquisition) within database tables - achieved exceptional accuracy range of 97-100%
- Formulated precise marketing messages to help client boost purchases, cross-selling, and customer acquisition, customized to specific criteria, business lines, and account attributes

Convergtycs Solutions Pvt Ltd Bangalore, India
Business Consultant, Big Data and Analytics Consulting 05/2022 - 05/2023

- Received the "Fresher of the Year" award for the 2022-2023 period in recognition of my hard work and unwavering dedication
- Conducted A/B and hypothesis testing for various models across different segments and business lines, thereby affirming the credibility of the models
- Optimised data processing through the implementation of automated ETL pipelines, resulting in a 50% reduction in cycle processing time
- Contributed insights and retention analysis as part of marketing campaign to enhance customer sales
- Executed cooperative account targeting in collaboration with clients and internal teams on a monthly, weekly, and quarterly basis
- Created impactful visualizations using Excel and Python to facilitate clear communication of data
- Utilized Agile Analysis principles to generate informative reports for strategic decision-making

Convergtycs Solutions Pvt Ltd Bangalore, India
Intern, Big Data and Analytics Consulting 01/2022 - 04/2022

CLEVR DE GmbH St. Ingbert, Germany
Junior Consultant, IT services and agile software development in the field of digitalization 09/2021 - 10/2021

- Contributed to developing an internal Mendix application, improving operational efficiency by {15%} by participating in training.

First American India Pvt Ltd Bangalore, India
Graduate Trainee, Data Analytics Application in the Real Estate and Mortgage Industry 07/2017 - 09/2017

- Delivered transactional and analytical services to the UK office in the Real Estate and Mortgage Industry using Data Mining techniques

EDUCATION

University of Hildesheim Hildesheim, Germany
International Masters in Data Analytics 2017 - 2020

Jain University Bangalore, India
Bachelor of Computer Applications in Data Analytics 2014 - 2017

CMR NPS School Bangalore, India
CBSE AISSCE Class XII Examination: English, Economics, Mathematics, Business Studies, Accountancy 2012 - 2014

CERTIFICATION

Generative AI with Large Language Models, May 2024

CERTIFICATION

Generative AI for Everyone, Dec 2023

Google Data Analytics Professional Certificate, Jul - Dec 2021

AWS Certified Cloud Practitioner, Nov 2021

Mendix Rapid Developer Certificate, Sep 2021

PROJECTS

Machine Learning Projects

Hildesheim, Germany

2017 - 2020

Masters Student, University of Hildesheim

- The thesis, titled 'Stable Learning of Multiple Agents,' centered on examining a machine learning problem with the goal of improving and stabilizing learning curves in neural networks through the application of mathematical optimization methods
- 'Large Scale Dynamic Machine Learning Work Flow'. Worked on distributed algorithms on four test problems across three architectural frameworks to achieve improved execution time and enhanced system performance for large datasets

Data Visualization Project

Bangalore, India

2014 - 2017

Undergraduate Student, Jain University

- Created an analytical solution for visualizing stocks and bonds' banking and financial data. Employed the data visualization (BI) tool BellaDati to deliver crucial insights to wealth management customers, with the objective of boosting their revenue

INDEPENDENT COURSEWORK

◆ Quantum Virtual Experience Program

05/2021 - 06/2021

Data preparation and customer analysis; experimentation and uplift testing; analytics and commercial applications

◆ KPMG Virtual Experience Program

05/2021 - 06/2021

Data quality assessment, insights and presentation

◆ Goldman Sachs Virtual Experience Program

04/2021

Cryptography basics, password cracking and best practices

◆ ANZ Virtual Experience Program

04/2021

Data segmentation, visualization and predictive analysis

◆ Udemy

02/2014 - 06/2017

Big data basics; Java 8; Databases & SQL Querying; Apache Hadoop Ecosystem - Hive; Business Data Analytics using Excel; Training Sets, Test Sets, R and ggplot

◆ MongoDB University

09/2016

MongoDB for Developers

LANGUAGES

English Fluent ●●●●●

Hindi Native ●●●●●

German Beginner ●●●●●