Vijay Arora

Senior Data Analyst - Investments Research | Python | SQL | JIRA | Willing to Relocate | CFA Level 1 Candidate

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PROFESSIONAL SUMMARY

Result-driven Senior Investments Data Analyst with 5+ years of experience, specializing in the integration of data science and investment analysis. Proficient in performing EDA and machine learning modeling specifically for insurance and financial datasets. I have successfully designed and implemented a comprehensive metadata framework and conducted data mining initiatives that enhanced data accessibility for financial analysts, leading to annual cost savings exceeding $1m. A recognized expert in agile (Scrum & Kanban), I have significantly improved team efficiency and task management by effectively facilitating agile ceremonies. Additionally, I have enhanced the accuracy of financial models and risk assessments by 12% through the application of Excel, SQL, Python, Jupyter, and Tableau, delivering advanced insights that support strategic investment decisions.

KEY SKILLS

- ✓ **Development Platform:** Databricks, Jupyter, VS Code, AWS Sagemaker
- ✓ **Data Analysis:** SQL, SparkSQL, Python (pandas, numpy, scikit-learn), Web Scraping (selenium)
- ✓ **Machine Learning:** LLMs, Logistic Regression
- ✓ **Data Visualization:** Tableau, Python (matplotlib, seaborn)
- ✓ **DevOps:** Github, Bitbucket (GIT), CI/CD pipelines, Docker, Kubernetes
- ✓ **Cloud Platform:** Azure, AWS (S3, athena and sagemaker)
- ✓ **Task Management & Documentation:** JIRA (scrum & kanban), Confluence, Azure DevOps
- ✓ **Conceptual Knowledge:** ETL concepts, Data Quality concepts, Data Warehousing, Machine Learning
- ✓ **Time Management:** Manage tight deadlines by prioritize tasks, & handle multiple projects effectively
- ✓ **Leadership:** Led data analyst teams, mentored junior analysts with tasks & domain knowledge
- ✓ **Behavioral:** Interpersonal & communication skills, team player, analytical & creative thinker, detail oriented

WORK EXPERIENCE

Ameriprise Financial LLP (Columbia Threadneedle), Gurugram   **Nov 2023 - Present**
Senior Data Analyst - Investments

- ➢ **Work closely with Financial Analysts and PMs** to understand their data and analytical requirements **(Confluence, JIRA)**
- ➢ Perform **data extraction**, **data mining, ML modeling and develop dashboards** for Research Teams (Python, ML)
- ➢ Developed metadata framework to make data accessible for financial models, **leading to annual cost savings of $1m+** (Selenium, VS Code and GIT)
- ➢ Develop **automated data and LLM pipelines** for research data processing **enhancing research process by 5%** (LLM, Docker, Python)
- ➢ Analyze datasets to **identify and improve data quality issues** by understanding underlying problems to enhance research processes
- ➢ **Collaborate with stakeholders to present hypothesis**, identify sources and insights for potential financial solutions prototypes
- ➢ Administrate **backlog management activities within the team**, ensuring smooth delivery for financial projects (JIRA)
- ➢ **Stay updated** on industry trends and best practices in **data analytics and financial industry**

EXL Services, Gurugram   **Aug 2022 - Nov 2023**
Data Analytics Consultant

➢ Interacted with the cross-functional teams to understand their requirements, prepare the use cases, functional and technical design documents **(Confluence, Azure DevOps)**
➢ Developed a single customer view (SCV) solution to **support underwriting team's risk assessment** utilizing SQL, Python, GIT and Tableau.
➢ **Reduced report processing time by 30%** through different visualization graphs and dashboards using Matplotlib, Seaborn and Tableau.
➢ **Administrated** backlog management and **tasks estimation activities within the team**, ensuring smooth delivery for 3 projects (JIRA).

3Pillar Global, Noida   **Jan 2020 - July 2022**
Data Analyst II - Quality

➢ Collaborated with cross-functional client teams to **gather requirements and prepare use cases**, functional, and technical design documents using **Confluence**
➢ Implemented and deployed data quality scripts as databricks jobs for data preprocessing, **reducing time estimates by 5 days (AWS, Python, SQL)**
➢ Successfully identified and resolved data quality issues within data engineering, resulting in a **24% reduction in errors** for enhanced accuracy

EDUCATION

➢ **Masters in Data Science and Engineering (M.Tech.)**   **Nov 2021 - Oct 2023**
   BITS Pilani, Rajasthan, CGPA: 7.71/10

➢ **Bachelors in Electronics and Communication (B.Tech.)**   **July 2016 - June 2020**
   Manav Rachna University, Haryana, CGPA: 8.65/10

PROJECTS

➢ **Submission Triage for Motor Insurance - Comparison of Classification Models (Github)**

   • Developed an automated submission triage solution for motor insurance data.
   • Performed EDA (Python) and real-time pre-processing using Kafka & KSQLDB.
   • Compared various classification models as part of research, ensuring the best model to classify submission data in the real world to boost the underwriting process.

➢ **Data Analysis and Visualisation (Github)**

   • EDA on NBA Rookies data
   • EDA and pre-processing on Diabetes Disease data
   • EDA on FIFA dataset