Kumar Abhinav

Data Analyst

(650) 695-4346 | [rushtoabhinavin@gmail.com](mailto:rushtoabhinavin@gmail.com) | [LinkedIn](https://www.linkedin.com/in/kumarabhinav05/) | [Github](https://github.com/Kumar0905/Csueb) | [Tableau](https://public.tableau.com/app/profile/kumar.abhinav6408/vizzes) | San Francisco Bay Area, CA |

|  |  |
| --- | --- |
| **Core Technologies & Skills**  **Data Analytics & Business Intelligence:**  SQL, Tableau, Power BI, Advanced Excel  Data Cleaning, Data Wrangling, ETL Pipelines  Reporting Automation, KPI Tracking  Dashboard Development, Data Visualization  **AI & Machine Learning:**  Generative AI, ML Algorithms  AI Agents, Predictive Analytics | Experienced Data Analyst with expertise in Business Intelligence, Data Analytics, ETL Pipeline Development, Data Cleaning, Data Modeling, API Development, and AI/ML-powered solutions. Proven ability to drive data-driven strategies, deliver executive-level insights, and support capacity planning through operational excellence and cross-functional collaboration.Adept at delivering high-impact, data-driven insights under tight deadlines by leveraging Generative AI technologies, streamlining business processes, and enhancing operational efficiency.  **Career Highlights**   * **AI-Powered Workflow Automation (LinkedIn)**: Streamlined internal workflows, reducing manual tasks and improving system efficiency via FastAPI-based integration. * **Legacy Software Transitions (RFXCEL):** Guided customers transitioning from legacy traceability solutions to new platforms Successfully migrated customers, with minimal operational disruption. * ***Pharma Traceability & Analytics (RFXCEL, NHRA Bahrain)***: Created a comprehensive data analytics dashboard to monitor and analyze pharmaceutical product traceability data at L5 level for NHRA Bahrain impacting more than 5000 stores and 1000 distributors. * **Global Inventory Reduction Project (VVF India Limited)**: Reduced global inventory through data-driven categorization and forecasting |

**Work Experience**

**LinkedIn** | **Sr. Software Engineer (Contractor)**, Mountain View, CA. October 2024 to Present

In this role, I develop and deploy AI-driven automation solutions using Python and FastAPI to enhance internal operations. By modernizing legacy systems, integrating data sources, and improving process efficiency, I reduce manual intervention and improve system resilience, all of which contribute to a more streamlined and scalable infrastructure.

**Specific projects:**

* **API Development & Integration**: Designed and integrated FastAPI to streamline connections with ServiceNow, enhancing workflow efficiency and reducing process execution times by 40%. This led to improved operational responsiveness.
* **Legacy Migration & Performance Enhancement:** Built and deployed new FastAPI endpoints to centralize on-call team information and handle diverse user queries. Successfully migrated from an existing Java-based backend, improving maintainability and enabling more responsive, flexible service delivery.
* **Process Optimization & Benchmarking:** Conducted performance comparisons between the newly deployed Python-based API (in a development environment) and the legacy Java REST API, measuring latency, throughput, and error rates. These insights informed optimization strategies that further refined scalability and system robustness.

**RFXCEL (Part of Antares Vision)**. | **Tech Lead – Business Analyst & Data,** San Ramon, CA, May 2023 – Dec 2024

After leaving VVF India Limited to pursue an MS in Business Analytics, I joined RFXCEL as a summer intern. My contributions during the internship led to a full-time offer, and as a Tech lead – Business Analyst & Data, I drive data-driven initiatives, design scalable ETL pipelines, and implement real-time analytics solutions, enhancing decision-making and operational efficiency.

**Specific projects:**

* **Data-Driven Systems & Real-Time Analytics**: Led the design & development of data-driven systems and analytics products, utilizing Elasticsearch and No-SQL to reduce data retrieval latency by 50%, improve real-time decision-making, and drive a 25% improvement in operational efficiency.
* **ETL Data Pipeline & Data Processing:** Designed and implemented a custom ETL pipeline in Java, transforming transactional data from SQL to NoSQL (Elasticsearch), improving data latency and reducing operational costs. Automated data cleaning, schema matching, and deduplication, ensuring high data accuracy while minimizing SQL database load.
* **Data Modeling:** Designed and implemented a custom NoSQL data model in Elasticsearch, optimizing schema structure for fast data retrieval, reduced query complexity, and enhanced data visualization in Kibana. Minimized nested objects, improving query performance and supporting real-time analytics**.**
* **Advanced Data Analytics:** Led advanced data analytics initiatives using Python, SQL, Tableau, and Generative AI LLMs to develop predictive and prescriptive supplier scorecards. Delivered actionable insights to key clients (e.g., Cardinal, Walgreens), improving supplier performance by 30% and reducing internal workload by 40%. Provided data-driven recommendations that streamlined supplier file processing and enhanced decision-making.
* **Operational Cost Data Analysis:** Conducted profitability analysis through comprehensive operational data review and data quality assurance reviews with executive dashboard presentations to implement cost-saving measures, including migrating from Windows to Linux and moving six-year-old data to cold storage, reducing operational expenses by 15% and boosting system performance by 10%.
* **Public API Development for SAP Integration:** Developed a Java-based public API for AbbVie’s Luprolink platform to automate data processing between their SAP system and internal databases, introducing a new revenue-generating product. Eliminated manual order creation and enabled real-time data synchronization, this solution accelerated order processing by 30%.
* **Customer Success & System Migration:** Planned and executed data system upgrades for customers transitioning from legacy traceability software to new platforms, worked closely with internal & external stakeholders to ensure smooth data migration and system integration. Successfully migrated 38% of customers in 4 months.

**Vvf India Limited** | **Data Analyst – Supply Chain Operations**, Mumbai, India. Dec 2017 to Aug 2022

As a Supply Chain Analyst, led several key projects that optimized the supply chain process, improved manufacturing efficiency, and successfully passed internal audits by McKinsey. Achieved global inventory reduction and led the SAP GST Implementation roll-out team.

**Specific projects:**

* **GST-Ready SAP Implementation**: Led the SAP implementation project to meet new GST requirements. Streamlined end-to-end processes—from purchase orders to cash flow—ensuring on-time and fully compliant deployment.
* **Global Inventory Analysis:** Conducted in-depth inventory data analysis by creating segmentation models using SQL and Python. Identified slow-moving, obsolete, and dead stock through data clustering, leading to inventory reductions of 25% and savings of $X million.
* **Manufacturing Cost Analysis:** Built predictive models using Python for cost and production analytics, detecting manufacturing bottlenecks and operational inefficiencies. Reduced manufacturing losses by 22% through data-driven Strategic Planning**,** Capacity Management andcorrective actions, resulting in annual savings of $X million.
* **Forecasting & Demand Planning Analytics:** Created demand forecasting models using Excel, SQL, and Tableau by integrating historical sales, market trends, and supplier data. Improved forecast accuracy by 20%, reduced stockouts, and increased on-time delivery rates by optimizing data-driven planning processes.

**Other Experience:**

**India Power Limited** | **Supply Chain Analyst**, Kolkata, India Mar 2016 to Nov 2017

**Bajaj Energy Limited | Supply Chain Project Mannager**, Noida, India Feb 2013 to Mar 2016

**Abhijeet Projects Limited | Supply Chain Project Manager,** Ranchi, IndiaSept 2010 to Jan 2013

**Airox Nigen** | **Business Development Manager**, Gurgaon, India April 2009 to Sept 2010

**Skills**

**Functional:** Data Analysis, Dash Boarding, Data Governance, Data Quality Assurance, Data Optimization, Process Mapping, Delivery Presentation, Agile, SDLC, Jira, Git

**Technical:** Python, Java, FastAPI, MySQL, Elasticsearch, Kibana, Tableau, Advanced MS Excel, Streamlit, Langchain, Azure

**Education and Academic Background**

**California State University East Bay**, Hayward, CA

**M.S. in Business Analytics**, Aug 2022 to Dec 2023

**Sathyabama Deemed University** Chennai, India

**B.Tech. in Chemical Engineering (Major)**, Aug 2005 - April 2009

**B.E in Computer Science & Engineering (Minor)**, Aug 2006 – April 2009