Kumar Abhinav

Experienced Data Engineer & Analyst with Expertise in Supply Chain Optimization and AI/ML Solutions

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

|  |  |
| --- | --- |
| **Core Technologies & Skills**  Data Analytics & Engineering  AI Agents  SQL, Tableau  Elasticsearch, Kibana  Gen AI & ML  ERP Systems /SAP  Advanced Excel  Functional and Technical Analysis  Cross-functional Team Collaboration | Experienced Data Engineer & Analyst with a deep background in Business Intellijence, Backend development and AI/ML-driven solutions. Recent work includes building scalable APIs, AI agents, and real-time data systems. Proven ability to lead large-scale projects, optimize supply chain operations, and manage global teams. Skilled at delivering high-impact, data-driven solutions under tight deadlines, driving cross-functional collaboration, and leveraging advanced technologies to enhance business efficiency and innovation.  **Qualification Highlights**   * Engineering Pharma trace and traceability Data Analytics dashboard at L5 level for NHRA Bahrain impacting more than 5000 stores and 1000 distributors. * Developed multiple Gen AI LLM-based applications at RFXCEL, improving developers' efficiency and product delivery * Consistently recognized by top management and received several awards across all organizations * Nearly 15 years of experience in Supply Chain Analytics and Project Management, with a recent focus on Data Analytics, Data Engineering, Gen AI, and Machine Learning. |

**Work Experience**

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

In my role as a Sr. Software Engineer contractor at LinkedIn, I lead the development of AI agents using FastAPI to optimize internal workflows, reducing manual tasks by 40% and improving system performance. I collaborate with cross-functional teams to implement scalable, real-time solutions that enhance API response times and system throughput.

**Specific projects:**

* Leading the development of advanced AI agents using FastAPI for efficient, scalable systems integration within LinkedIn’s platform. These AI agents automate internal processes, resulting in a 40% reduction in manual tasks and improving system efficiency by 30%.
* Collaborated with product, data science, and engineering teams to ensure seamless integration of AI-driven solutions. This collaboration improved project delivery time by 20% and ensured the alignment of technology with business objectives.

**RFXCEL (Part of Antares Vision)**. | **Software Engineer,** San Ramon, CA, May 2023 – Present

After completing my tenure at VVF, I pursued an MS in Business Analytics. During my studies, I joined RFXCEL as a summer intern, Due to the significant impact of my contributions, I was offered a full-time role. In my current position as Tech Lead, in this role, I lead the development of data-driven systems and analytics products, focusing on real-time data visualization and data integration using Elasticsearch and SQL. These initiatives improved data retrieval latency by X% and enhanced decision-making. Additionally, I spearheaded the integration of AI/ML technologies to automate and optimize business processes, improving operational efficiency.

**Specific projects:**

* Led the development of operational data analytics products, creating transactional dashboards using Elasticsearch and SQL. Spearheaded real-time data visualization solutions for cloud operations, enhancing operational efficiency by 25%. Coordinated transformation initiatives across teams and ensured alignment with business goals by delivering data-driven insights to executives and measuring the success of initiatives against OKRs.
* Led advanced business systems analytics initiatives, utilizing tools such as Excel, SQL, Tableau, and Python to generate actionable insights and stakeholder-facing reports for customers like AbbVie, Walgreens etc. Delivered data-driven recommendations that contributed to generating $X million in revenue.
* Designed and developed a public API using Java for Luprolink (Client: AbbVie) to enable seamless data connectivity between their SAP systems and our databases. This API streamlined data integration processes, improving data sync times by 30% and ensuring real-time data availability.
* Developed AI/ML-driven applications that enhanced supply chain forecast accuracy by X% and reduced operational delays through real-time data visualization and predictive analytics. Enhanced business performance through data-driven automation.
* Served as a liaison between business stakeholders, development teams, and external clients, ensuring seamless communication and project alignment. Converted business requirements into actionable JIRA tickets and led sprint planning to improve release timelines by 15%
* Planned and executed data system upgrades for customers transitioning from legacy traceability software to new platforms, working closely with Customer Success managers to ensure smooth data migration and system integration. Successfully migrated 38% of customers within 4 months, ensuring minimal disruption and seamless operations.

**Vvf India Limited** | **Supply Chain Analyst**, 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:**

* Optimized supply chain processes and drove data analysis and reporting for better decision-making. Led cross-functional projects, including SAP GST implementation and global inventory reduction, resulting in significant savings. Developed custom data analytics tools to identify improvement opportunities, aligned with business objectives.
* Led the global inventory reduction project. Categorized inventory into four buckets, analyzed each category, and implemented new purchasing models (JIT), materials exchange models, and scrapped dead inventory, resulting in $X million in savings and a 25% overall inventory reduction. Tools used: SAP, Python, SQL, and Tableau.
* Engineered and implemented custom Python scripts using predictive analytics and regression models to decrease manufacturing losses by 18%. This effort exceeded expectations, with data visualization insights via Tableau ultimately leading to a 22% reduction in manufacturing costs, resulting in annual savings of $X million.

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

For a short stint, I joined India Power to work to led the implementation of SAP modules to streamline purchasing, order generation, and billing processes, improving efficiency by 25% across platforms.

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

After Abhijeet Projects, I joined Bajaj Energy to led a data-driven project to secure an excise tax waiver, achieving $XX million in savings. Collaborated with the Central Electricity Authority to obtain Mega Power Project Status, leveraging data analysis and strategic planning.

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

After Airox Nigen, I joined Abhijeet Projects to oversaw SAP implementations and regulatory projects, securing a significant excise duty waiver, resulting in $XX million in savings through expert negotiation and strategic planning.

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

I was hired directly from school to manage business development initiatives, leading the design and launch of the company’s website, improving online presence and enhancing user engagement

**Skills**

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

**Technical:** SAP, Python, MySQL, Kibana, Tableau, AWS, Elastic Search, MS Excel, SPSS, FASTAPI, Java

**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