Ashish Tomer

Software Developer / Quantitative Analyst

+91 9451641960
New Delhi, Delhi

LinkedIn: ashish-tomer
www.aktomer@gmail.com

Detail-oriented professional with brilliant problem-solving and decision-making skills, strong analytical skills and extensive understanding of computer science fundamentals and design patterns for scalability, performance and reliability. Looking to obtain the position of Software Developer in a fast-paced, agile tech environment to turn complex requirement into reliable software that customers and clients will love. Passionate individual with excellent interpersonal and communication skills and a Bachelor's degree in Aerospace Engineering from IIT Kanpur.

SKILLS

Tools and Languages	C/C++, Python, R, Matlab, SQL
Quantitative Research	Mathematical optimization, Mathematical Modeling, R, MySQL
Soft Skills	Creative Problem Solving, Time Management, Organizational Skills

EXPERIENCE

Associate - Axtria India Pvt. Ltd. — Apr 2020 — Present

DataWarehouse Architecting: Team Lead

- Designed and developed dynamic architecture of a DataWarehouse (DWH) for storage and daily processing of ~**50 GB** of sales and CRM data from **12+ client workstreams** in Azure Synapse Analytics for a leading US Pharmaceutical client.
- Crafted and migrated Field Reporting Solution for ~**500 Sales Representatives** from AWS Cloud Services + MicroStrategy to a smooth-scalable-optimized system on Microsoft Cloud Services, saving client costs by **10%**.

Data Quality Management (DQM)

- Designed and developed an end-to-end automated solution using a metadata-driven approach for running DQ checks on data from **5+ sources**, and reporting the anomalies to data vendors, helping client reduce DQ issue resolution time by **75%**.

Noteworthy Assignments

- Designed an Analytical Data Mart and developed an automated process using Python & VBA to generate **Executive Summary**.
- Helped client in informed decision making to combat global pandemic challenges via **COVID-19 Impact Analysis**.
- Oversaw stakeholder management, led onshore & offshore teams to launch multiple drugs in specialty and oncology space, analyzed its outreach, and created pre-sales promotion resulting in client saving **$400K** yearly in incentives to field reps.
- Authored quality content to train **100+ associates** in crucial branches of pharma business space.
- Led team of 5 junior software engineers undertaking the development for 3 bespoke client projects.

Analyst - Axtria India Pvt. Ltd. — Jul 2019 — Mar 2020

- Worked in analytics domain for a leading US Pharmaceutical client, evaluating the impact of a product launch on foregoing sales.
- Performed Seasonal ARIMA **Time Series Analysis** on Oncology drug sales data to forecast benchmark numbers for next 6 months.
- Developed a Scrapy based web scraping tool. NLP model built on top identified suspicious HCPs from cleansed data.
- Managed table compression and optimized ETL Workflows, thereby reducing processing time from 12 hours to **3 hours**.
- Reduced billing by over **20%** in AWS overall cloud consumption costs by analyzing and optimizing channels.
- Awarded **Best Trainee** for showcasing excellent technical skills & business understanding.

Tutor - SPSTI — May 2018 — Jul 2018

- Led a **6-member** team promoting Science & Mathematics, mentored **1000+ students** of Classes IX-XII from government schools.
- Regularly interacted with local educational and administrative authorities for smooth functioning of the camp.

Teaching Assistant - IIT Kanpur — Jul 2017 — Apr 2018

- Worked in team to tutor **~450 students** from different disciplines in the concepts of Engineering Drawing (TA101A).

EDUCATION

Bachelor of Technology in Aerospace Engineering, *IIT Kanpur* — Jun 2019

Certifications

- Scientific Computing & Python, *WorldQuant University* — Sep 2021
- Applied Data Science with Python, *University of Michigan* — May 2020
- Deep Learning Specialization, *DeepLearning.AI* — May 2020
- Big Data Specialization, *UC San Diego* — Apr 2020

Noteworthy Coursework

- **Trading Algorithms**: Studied Piotroski F-Score, Post-Earnings Announcement Drift, Sloan's Accrual strategy, Betting against Beta, Mohanram G-Score, Jegadeesh & Titman's momentum trading strategies and perceived economic intuition behind them.
- **Portfolio Construction & Analysis**: Modelled & backtested Markowitz efficient frontier and CPPI risk insurance strategy on historical data, studied multi-Factor model & Black-Litterman model and identified shortcomings of Cap-Weighted Equity Indices