

# Ashish Tomer

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Software Developer / Quantitative Analyst

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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. Dedicated professional with excellent interpersonal and communication skills and a Bachelor's degree in Aerospace Engineering from IIT Kanpur.

## SKILLS

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

## EXPERIENCE

### Associate - Axtia India Pvt. Ltd.

Apr 2020 — Present

*Data Warehouse Architecting: Team Lead*

- Designed and developed dynamic architecture of a Data Warehouse (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 - Axtia 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