

# AANWI TARIHALKAR

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## SKILLS

**Databases:** SQL (MS SQL Server, MySQL, Oracle, PostgreSQL)  
**Programming:** Python (Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Plotly), R, SAS  
**Business Tools:** Salesforce, HubSpot, Slack, Google Analytics, Microsoft Office Suite (Word, Access, Excel, PowerPoint, Outlook), Smartsheet  
**Project Management & Cloud:** Jira, Confluence, Kanban, Agile, SDLC, Scrum, SAP, Docker, Git, DevOps, Salesforce, AWS, Azure, GCP  
**Data Management and Visualization:** Tableau, Power BI, MS Excel (VLOOKUP, XLOOKUP, Pivot Tables, Macros, VBA), Looker, Google Sheets, Google BigQuery, Snowflake, Apache Hadoop, Apache Spark, ETL, Alteryx, Data Build Tool (dbt), Databricks

## WORK EXPERIENCE

Capgemini - Mumbai, India 06/2021 – 12/2022

### Senior Analyst

- Managed UAT for multiple software releases, creating detailed test plans and collaborating closely with business teams to reduce post-launch issues
- Led the migration of on-prem applications to AWS (EC2, S3 and RDS), reducing infrastructure costs by **\$150K annually** and speeding up deployments
- Directed a team of 4** in market trend analysis as SME, applying machine learning models like regression and classification to refine pricing strategies
- Engineered Python-SQL ETL pipelines to integrate CRM data with analytics tools, enabling data-driven insights for sales and marketing teams
- Drove Agile project sprints using Jira and Confluence, improving team collaboration and ensuring timely completion of high-priority tasks by **30%**

### Analyst

- Optimized SQL queries using joins, CTEs, stored procedures & indexing, improving query performance and enabling real-time business intelligence
- Streamlined data extraction and cleaning for **60+** reports using Excel VBA, reducing ad-hoc report time and improving consistency by **40%**
- Delivered monthly KPI analyses using Power BI, focusing on tracking client sales and satisfaction metrics, driving better decision-making
- Created detailed paginated financial and operational reports in SQL Server Reporting Services (SSRS), including cash flow and P&L statements
- Utilized Monte Carlo simulations in Excel for financial risk assessment identifying **\$300K** in savings, optimizing budget allocations for client projects
- Applied R for statistical modeling and hypothesis testing, improving forecasting accuracy and delivering reliable financial projections for global clients

N M Automation & Control Pvt. Ltd. - Mumbai, India 03/2019 – 05/2021

### Data Analyst

- Optimized Snowflake warehousing for industrial data using auto-scaling, clustering, partitioning, and dbt transformations to improve performance
- Designed ETL pipelines with SSIS to integrate real-time equipment data, streamlining ingestion and transformation, cutting processing time by **22%**
- Conducted data audits using SQL queries in BigQuery to speed up data extraction, saving over **100 man-hours annually**, shortening project timelines
- Automated data entry for inventory tracking & production reports using Google Apps Script, reducing manual errors & improving workflow efficiency
- Generated monthly market insights for stakeholders, leveraging A/B testing and Google Analytics to optimize GTM strategies and boost campaign ROI
- Developed predictive supply chain models to forecast demand for industrial components, optimizing warehouse slotting and reducing stockouts
- Facilitated cross-departmental training on data visualization tools to improve real-time monitoring of production KPIs and data literacy by **50%**

## EDUCATION

**New Jersey Institute of Technology, MS in Data Science** 01/2023 – 12/2024  
**Thakur College Of Engineering & Technology, BE in Electronics & Telecommunication** 08/2017 – 05/2021

## PROJECTS

**Cryptocurrency Price Anomaly Detection** 12/2024 - 01/2025

- Captured real-time crypto price data via CoinGecko API & WebSockets, effectively tracking fluctuations at minute-level granularity
- Detected price anomalies with LSTM neural networks, forecasting future volatility trends with a high **92%** prediction accuracy
- Visualized market trends using Power BI, DAX, and time-series analysis, clearly highlighting abnormal price spikes across multiple timeframes

**Fraud Detection in Credit Card Transactions** 09/2024 - 10/2024

- Organized credit card transactions into a relational SQL database, significantly improving retrieval speed with indexing and partitioning techniques
- Identified fraudulent patterns through TensorFlow Autoencoders, applying unsupervised learning for detailed anomaly detection and better results
- Mapped fraud trends on Tableau, seamlessly integrating geo-maps and anomaly tracking to effectively highlight high-risk geographical areas

**Job Market Skill Gap Analysis** 03/2024 - 04/2024

- Scraped **5,000+** job postings from LinkedIn and Indeed using Selenium & BeautifulSoup, automating weekly data collection and system updates
- Leveraged BERT-based NLP models to extract required skills and compare them against applicant resumes, uncovering key industry skill gaps
- Designed a dynamic Looker Studio dashboard with interactive filters by job role, region, and company, analyzing evolving skill demand trends

**Sales Performance Dashboard & Automation** 01/2024 - 02/2024

- Collected monthly sales data using VLOOKUP & INDEX-MATCH to consolidate records, track revenue trends, and analyze product performance
- Automated data cleaning and report generation using Excel Macros & VBA, streamlining workflows and improving data processing accuracy
- Built an interactive Excel dashboard with pivot tables, slicers, and conditional formatting to visualize and track key sales KPIs dynamically