

Akshay Nalawade

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Work Experience

Cognizant (*Senior Data Associate*), Mumbai, India

Mar 2022 – Mar 2023

- AIML Investment banking (JP Morgan Chase) – The application reads the alerts, stocks, news and creates a data segment to manage and update reviews. Reviews are used for validating the approach of investment.
- Implemented advanced data cleansing techniques using Python to optimize the accuracy and reliability of alert, stock, and news data segments, resulting in a 20% increase in data integrity.
- Developed optimized SQL queries to reduce query execution time by 30% enhancing data retrieval efficiency.
- Architected and prepared data and reporting systems leveraging Tableau and SQL to optimize customer acquisition cost resulting in \$500K savings annually.
- Engineered the integration of data sources, alerts, stock market data, and news feeds, to curate tailored data segments for investment reviews; elevated accuracy of decision-making by 40%.

SS&C Technologies (*Lead Software Engineer*), Mumbai, India

Jul 2020 – Mar 2022

- Wealth management and investment (St James's Place) – Managing investment portfolios on behalf of clients, taking into account their financial objectives, time horizon, and risk preferences.
- Increased portfolio diversification by 20% through SQL-based analysis, optimizing asset allocation to align with client risk preferences.
- Developed Power BI dashboards to strengthen client-advisor relationships by providing transparent and accessible investment insights, leading to an additional \$1 million in AUM growth, higher client retention rates, and increased referrals.
- Conducted qualitative and quantitative business analysis to identify key trends and patterns, which helped in data-driven decision making and maximize business performance.

Accenture (*Business Services Analyst*), Mumbai, India

Oct 2019 – Jul 2020

- Clinical Data Repository (CVS Health) – Enabling client to rapidly ingest, standardize, integrate data and generate insights from a variety of clinical and related non-clinical data within a single data ecosystem.
- Boosted data processing speeds by optimizing Spark configurations based on the requirements.
- Spearheaded the development of data ingestion pipelines to efficiently gather clinical and non-clinical datasets from multiple sources.
- Utilized Spark SQL for ad-hoc querying and analysis, empowering stakeholders to derive actionable insights and make informed decisions.
- Implemented advanced SQL techniques, including subqueries, window functions, and common table expressions (CTEs), to detect and address duplicate records, missing values, and outliers, ensuring data integrity and accuracy.

Hexaware Technologies (*Senior Software Engineer*), Mumbai, India

Jan 2015 – Sep 2019

- Global One (Ernst & Young, EY) – a Web-based tool to help client's assignees provide the home and host tax details through questionnaire.
- Led a team of QA analysts to develop and execute scripts for automation testing using Selenium, resulting in reduction in software defects.
- Facilitated daily stand-up scrum meetings that helped to identify and remove roadblocks, resulting in a decline in the number of sprint backlog items that were carried over to the next sprint.

Skills

- Data Visualization – Python (Numpy, pandas, seaborn, matplotlib), R (ggplot2, dplyr), Tableau, Power BI | Agile methodologies
- Cloud Computing – AWS: EC2, S3, RDS, Lambda services | Automation | Jira | MySQL | PostgreSQL | ETL | GitHub | Microsoft Excel
- Big Data Analytics – Apache Spark | Data Mining | Hive | No SQL: H-base | Star and Snowflake Schema | Hypothesis testing | A/B testing

Education

• **M.S. Data Analytics and Visualization**, Yeshiva University, Katz School of Science & Health, New York (GPA 3.8)

Aug 2023 – Dec 2024

• **B.E. Electronics Engineering**, Mumbai University PIIT, Mumbai (GPA 4)

Aug 2009 – May 2014

Certifications

- AWS Certified Cloud Practitioner (CLF 02)
- Advanced certification in Data Science - International Institute of Information Technology.