Akshay Nalawade

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Data Professional with 4+ years of experience in developing and implementing data-driven solutions to complex business problems. Proven ability in collecting, cleaning, analyzing, and visualizing data to extract valuable insights and facilitate data-informed decision-making. Proficient with a range of data technologies including Python, SQL, R, Power-BI, Spark, AWS. Strong interpersonal and collaborative abilities to work with stakeholders across all levels of the organization.

Skills

- Data Visualization – Python (seaborn, matplotlib), R (ggplot2, dplyr), Tableau, Power BI | Agile methodologies
- Machine Learning algorithms using NumPy, Pandas, Financial modelling and forecasting | NLP | Statistical modelling | Clustering & Classification | Linear and Logistic Regression | Time series analysis | Optimization techniques.
- Cloud Computing – AWS: EC2, S3, RDS, Lambda services | Automation | Jira | MySQL | PostgreSQL | Microsoft Excel
- Big Data Analytics | Apache Spark | Data Mining | Python | Hive | Hypothesis testing | A/B testing

Experience

Cognizant   Mumbai, India
Senior Associate   *March 2022 – March 2023*

- AIML Investment banking (JP Morgan Chase) - Collaborated with cross-functional teams to streamline data integration processes, enhancing data availability for investment analysis, reduced data retrieval time by 40% and improved overall efficiency.
- Spearheaded the implementation of a new data analysis system, resulting in a 15% reduction in errors and a 20% increase in data accuracy.
- Boosted data processing speeds by 35% by optimizing Spark configurations depending on the specific requirements.
- Optimized machine learning pipeline for client, resulting in a 30% increase in investment.
- Assembled, cleaned and organized large data sets, improving data accuracy and reducing analysis time by 30%.
- Designed and coded complex SQL queries to produce actionable insights from internal databases, increasing data analysis productivity by 25%.
- Built out the data and reporting infrastructure from the ground up using Tableau and SQL to provide real-time insights into the product, marketing funnels, and business KPI's.
- Established performance benchmarks that were 20% more accurate than the previous year.
- Conducted qualitative and quantitative business analysis to identify key trends and patterns, which helped in data-driven decision making and improved business performance.

SS&C Technologies   Mumbai, India
Lead Software Engineer   *July 2020 – March 2022*

- Wealth management and investment (St James's Place) - Analyzed data, generating monthly analytical reports and insights that informed strategic decision-making for both organization and its clients. Liaised with cross-functional teams, streamlining data integration processes to enhance data availability.
- Utilized SQL and R to analyze large datasets, resulting in identification of key insights and a 10% rise in campaign effectiveness.
- Built data visualizations using Tableau for KPIs that reduced manual reporting by 10 hours weekly.
- Developed and maintained a data governance program that ensured compliance with industry regulations and improved data quality by 25%
- Led the design and implementation of a data lake infrastructure, resulting in a 40% reduction in data storage costs and a 25% increase in data accessibility.
- Led the creation of an advanced predictive model to forecast investment trends, producing an 20% increase in accuracy from previous models and driving a 15% growth in overall revenue.
- Design dimensional data models, ETL workflows and SQL queries leveraging a variety of big data technologies.

Accenture   **Mumbai, India**
Business Analyst   *October 2019 – July 2020*

- Clinical Data Repository (CVS Health) - Enables clients to rapidly ingest, standardize, integrate data and generate insights from a variety of clinical and related non-clinical data within a single data ecosystem.
- Performed data scrubbing, troubleshooting, quality checking, and usability analysis to identify 24 anomalies.
- Led a team of 3 engineers to complete multiple Git Pull Requests.
- Migrated a legacy data warehouse to a cloud-based platform from different vendors for multiple SKUs, resulting in 50% increased operational efficiency.
- Developed and executed SQL queries to extract data from relational databases. Cleaned and prepared data for analysis.
- Identified and analyzed trends & patterns in data. Accelerated sales by 40% by identifying and targeting key customer segments.

Hexaware Technologies   **Mumbai, India**
Senior Software Engineer   *Jan 2015 – Sept 2019*

- **Global One (Ernst & Young EY)** - a Web-based tool designed to help client's assignees provide their home and host tax details through a series of questionnaire. It helps gather data to prepare tax returns based on jurisdictions.
- Led a team of QA analysts to develop and execute test plans, test cases, and test scripts, resulting in a 25% reduction in software defects. Also represented QA team in quarterly held PHI meetings.
- Implemented automation testing using tools like Selenium and POM reducing testing effort by 30% and improving test coverage.
- Expanded the test coverage of the web application from 70% to 90% by implementing a new test-driven development process.
- Reduced the number of post-release bugs by 20% by implementing a new smoke testing process.
- Improved SQL query performance by 40% through indexing optimization, reducing report generation time.
- Facilitated daily stand-up scrum meetings that helped to identify and remove roadblocks, resulting in a 10% decline in the number of sprint backlog items that were carried over to the next sprint.
- Combined with cross-functional teams to translate business requirements into SQL queries, enabling data-driven decision-making across departments.

Education

M.S. Data Analytics and Visualization   **Aug 2023 – Present**

Yeshiva University, Katz School of Science & Health   *New York, NY*

B.E. Electronics Engineering   **Aug 2009 – May 2014**

Mumbai University, PIIT   *Mumbai, India*

Certification

- Advanced certification in Data Science from International Institute of Information Technology, Bangalore.   *May 2022 – March 2023*