

Sanjay Kumar Nayak

Enthusiastic Data Scientist Analytics

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Profile Summary:

Results-driven Data Analyst with 2.10 years of IT experience, leveraging Java, SQL, Python, Machine Learning, Advanced Excel, and Power BI proficiency to uncover actionable insights that optimize system performance and drive business growth. I am dedicated to transforming complex data into meaningful stories that inform strategic decisions and propel organizational success.

Technical Expertise:

- Proficient in SQL and familiarity with database management systems (e.g. MySQL, Oracle, Microsoft SQL Server).
- Experience with statistical analysis and data visualization tools like Python, Power BI, and Tableau.
- Strong analytical skills with attention to detail and accuracy, ability to collect, organize, analyze, and disseminate information.
- Experience in writing queries and building insightful reports/dashboards.
- Experience with Python Data Analysis Packages (Pandas, NumPy, Matplotlib, Scikit-Learn, Seaborn, SciPy).
- Strong data visualization and storytelling skills.
- Ability to analyze datasets to identify trends and patterns.
- Experience in writing efficient, maintainable, and reusable code in SQL and Python.
- Ability to perform data integration, transformation, and manipulation tasks to prepare data for visualization and analysis.
- Experience in cleaning and preparing datasets for analysis, including handling missing or invalid data, and identifying and correcting outliers.
- Familiarity with data preprocessing techniques such as imputation, outlier detection, and data normalization.

Work Experience:

Senior Software Engineer

Feb 2023 - Aug 2023

Newgen Software Technology

- Designed efficient SQL schemas 20%, prioritizing data integrity and minimizing redundancy.
- Optimized SQL queries 25% for improved database performance, utilizing indexing and query tuning.
- Managed backups, disaster recovery, and routine maintenance for data security and system stability.
- Effectively communicated insights to management and internal stakeholders.

Java Developer

Oct/2020 - Feb/2023

SLK Software LTD

- Familiarity with Java programming language for data manipulation and analysis tasks.
- Proficiency in setting up and querying relational databases like MySQL for data storage and retrieval.
- Experience in designing and maintaining database schemas for efficient data storage and retrieval.
- Experience in consuming and exposing RESTful APIs for data integration and communication between systems.
- Experience working in Agile Scrum environments, including attending stand-up meetings and contributing to sprint planning and review sessions.

Internships:

1. [Data Analyst Intern, 360DigitMG, \[Feb 2024\]](#)

- Assisted in data collection, cleaning, and analysis tasks, gaining hands-on experience in data manipulation techniques.
- Conducted thorough exploratory analysis, revealing insights visually.
- Contributed to the development of data visualizations and reports to communicate findings to stakeholders.

2. [Data Science, Bharat Intern, \[Jan 2024\]](#)

- Developed SQL queries to extract and analyze data from relational databases, enhancing data-driven decision-making processes.
- Conducted exploratory data analysis on customer behavior data, identifying trends and insights to inform marketing strategies.
- Proficient in Jupyter Notebooks, sci-kit-learn, and Matplotlib for data manipulation and statistical analysis.

3. [Data Analysis, Cognifyz Technologies, \[Jan 2024\]](#)

- Aid in data collection, cleaning, and organization for analysis.
- Contribute to exploratory data analysis to uncover insights.
- Assist in feature development to enhance model performance.

Project:

Amazon Customer Analysis(SQL)- [PROJECT LINK](#)

- Identify top-performing and underperforming product lines.
- Determine sales trends and evaluate sales strategy effectiveness.
- Uncover customer segments, purchase trends, and segment profitability.

OTP Verification System(Python)- [PROJECT LINK](#)

- Security and Privacy: Prioritizes secure handling of sensitive data like email addresses and OTPs, ensuring user privacy.
- User-Friendly Experience: Provides clear instructions and error handling for seamless user interaction during OTP verification.
- Scalability and Reliability: Designed for robustness and reliability, capable of handling concurrent user requests while adhering to Python best practices.

Exploring Coffee Quality Data(Power BI, Excel)- [PROJECT LINK](#)

- Conducted in-depth analysis of coffee quality data using Power BI.
- Applied data visualization techniques to uncover insights into key determinants of coffee quality.
- Identified trends, patterns, and correlations to inform decision-making processes in the specialty coffee industry.

Licenses & Certifications:

Data Scientist Boot Camp (Odin School)

Oct 2023 - Present

Achievements:

- Transitioned from Software Engineer to Java Developer, specializing in Java technologies and frameworks.
- Promoted to Senior Software Engineer, leading and mentoring development teams.

Education:

Bachelor of Technology | CS | 80%

I.T.E.R Bhubaneswar