

Siddhesh Shankar

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About Me

Detail-oriented data analyst with extensive experience in data analysis, visualization, and predictive modeling. Proficient in SQL, Python, Excel, Tableau, and Power BI, and skilled at transforming complex datasets into actionable business insights. Demonstrates strong technical abilities in data cleaning, statistical analysis, and dashboard development to optimize operational efficiency and strategic decision-making.

Skills & Abilities

- **Programming Languages:** Python, Java, JavaScript
- **Databases:** Oracle DB, PostgreSQL, MySQL
- **API Development:** REST APIs, Oracle Helidon, JSON
- **Machine Learning & Analytics:** Statistical Data Analysis, Business Intelligence (BI), Product Analytics
- **Data Analysis & Visualization:** Power BI, Tableau, Looker Studio
- **System Administration:** Linux
- **Project Management & Collaboration:** Project Planning, Client Interaction

Experience

Oracle Financial Services Software (OFSS)

Jul 2023 - Present

Associate Consultant

- Oversaw End-of-Day (EOD) and reconciliation processing for over 70,000+ daily financial transactions (MT940, MT950, MT942) in the Nostro Reconciliation System (NRS) for HDFC Bank, analyzing data trends to improve transaction accuracy by ~25% and enhance operational efficiency.
- Designed and developed 3 production-grade RESTful APIs using Java (JAX-RS) within the FLEXCUBE architecture, ensuring clean resource representation and streamlined internal communications.
- Contributed to 3+ full project cycles - from requirements gathering to deployment and post-release support—ensuring on-time delivery and alignment with client specifications.
- Developed and maintained full-stack modules using Java (JAX-RS), vanilla JavaScript, and Oracle PL/SQL, delivering scalable internal banking solutions and enhancing performance across multiple high-traffic enterprise modules.
- Maintained high-quality, production-ready code by applying best practices and leveraging SonarLint for static code analysis, effectively reducing bugs and improving maintainability.
- Engineered a middleware wrapper to enable seamless communication between SOAP-based legacy systems and RESTful services, reducing integration time by 40% and bolstering data interoperability.

EasyEcom Pvt. Ltd.

Jan 2023 - Jun 2023

Business Analyst Intern

- Extracted and analyzed data using SQL to optimize query performance, ensuring accurate data collection and validation for diverse business needs.
- Built and maintained foundational data pipelines with SQL and scripting, automating routine data collection and transformation tasks to enhance data availability and reduce manual intervention by ~30%.
- Automated dashboard data-fetching processes with JavaScript, achieving a 40% reduction in manual reporting time and consistent refresh reliability.
- Cleaned and preprocessed data using Excel, ensuring data accuracy and consistency required for reliable analysis.
- Created interactive dashboards and reports in Looker Studio and Power BI, enabling stakeholders to derive actionable insights and support data-driven decision-making.
- Integrated APIs using Google Apps Script to interface with Zoho, automating workflows and exploring Python-based API development for internal data automation.
- Applied event tracking and funnel analysis with Amplitude to understand user behavior metrics and contribute to strategic decision-making.
- Analyzed supply chain operations by reviewing the collaboration between Inventory, Order, and Warehouse Management Systems, and supported data-backed solution design in client meetings with major e-commerce and D2C brands like Meesho, Borosil, Flipkart etc.

Genefied Brand Protection Solutions

Jun 2022 - Jul 2022

Data Analyst Intern

- Designed interactive dashboards using Power BI and Google Analytics, enabling clients to visualize data trends and support data-driven decision-making.
- Engaged with clients, including BookMyShow and KEI Industries, to present analytical insights and recommend strategic data solutions.
- Optimized data resource management practices, ensuring efficient data handling and improving data reporting procedures.
- Collaborated on the R&D of new data architecture with the Founder, contributing to enhancements in the company's data infrastructure and analytical capabilities.

Education

Symbiosis Institute of Technology, Pune <i>B.Tech in Computer Science & Hons. in Data Science</i>	2019 - 2023
Nirmala Memorial Foundation College of Commerce and Science (NMFCCS) <i>Higher Secondary Education</i>	2018 - 2019
Gokuldham High School and Junior College <i>High School Diploma</i>	2006 - 2017

Projects

Just in Time Mart	Jan 2025 - Present
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QwiKart

- Developing a ~ 98% fulfillment system using real-time inventory and supplier API integration.
- Building a Python-based, API-first architecture using FastAPI, Pydantic, and SQLAlchemy for high performance and scalability.
- Implementing Just-in-Time fulfillment to eliminate overstocking and optimize inventory costs.
- Designing a real-time product availability system with FastAPI and PostgreSQL (pgAdmin4, pycopg) for accurate stock visibility.
- Integrating machine learning models for predictive supply chain optimization.
- Optimizing the checkout and delivery process for a frictionless user experience.
- Ensuring scalability with FastAPI, PostgreSQL, and API-first design, allowing seamless expansion.
- Utilizing Postman API for testing and debugging endpoints, ensuring robust API performance.
- Deploying APIs with Uvicorn to enhance speed and efficiency in handling high-concurrency requests.
- Managing database interactions with SQLAlchemy and Psycopg2, ensuring efficient data processing and storage.

Extra-Curricular Activities

Oracle Volunteering (OV)	Jul 2023 - Present
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- Blood Donation Camp: Collaborated with Hiranandani Hospital, Powai and assisted the medical team in managing logistics, providing support to donors, and ensuring smooth operations throughout the event. Also participated as a donor, contributing to the cause personally.
- Education Drive - Physics Learning Aids for SSC Students: Designed educational flowcharts and visual aids to simplify complex Physics concepts for 9th and 10th-grade SSC students, enhancing their understanding and engagement with the subject.
- Beach Cleanup Drive - Dadar Chowpatty: Collaborated with a local NGO to conduct a beach clean-up activity, collectively removing 350+ kg of plastic waste. Contributed to restoring the beach's natural beauty and promoting environmental awareness.

Google Developer Student Club (GDSC) (SIT, Pune)	Aug 2019 - Jul 2023
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- Data Science Collaboration: Participated in Data Science related problem-solving events organized by Symbiosis Institute of Technology, Pune and GDSC.
- Participated in Hashcode 2020 competition.