

AASTHA KSHATRIYA

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Summary: Highly motivated, collaborative, detail-oriented Business & Operational Specialist Analyst skilled in SQL, Python, & cloud technologies. Proficient in ETL/ELT development, data integrity, & problem-solving, with strong communication, adaptability, & teamwork skills. Eager to learn and proactive in tackling challenges in fast-paced environments. Pursuing a master's in information systems, focusing on data-driven decision-making.

SKILLS

Programming and Scripting: SQL, Python, R, VBA, SAS.

Data Handling and Visualization Tools: Power BI, Tableau, SSMS, Oracle SQL, PostgreSQL, NoSQL

Development Tools and Frameworks: Apache Spark, Airflow, TensorFlow, PyTorch, Databricks, Git, JIRA, LucidChart, Microsoft Visio, Draw.io

EXPERIENCE

California State University Long Beach

Los Angeles, CA

Business and Operational Specialist

August 2024 – Jan 2025

- Engineered ETL pipelines process with Tableau Prep advanced SQL querying in Snowflake, significantly enhancing data integration & analytics.
- Performed multivariate analysis and time series analysis on 500,000 student records using Python Pandas and NumPy to find key retention KPIs for 3,000 students and created Tableau dashboards to effectively forecast these trends.
- Developed an automated system with Python, APIs, SQL, Excel VBA, Macros, and Outlook, distributing 10,000 feedback reports, reducing costs by 40%, and eliminating external vendor dependencies, place testing calls & evaluating quality of experience & accuracy.
- Performed detailed data analysis reducing customer churn by 7%, Supported software & hardware troubleshooting, enhancing system functionality & user satisfaction.

Yarra Information Technologies

India

Business Intelligence Analyst

Jan 2022 – July 2023

- Collaborated with cross-functional teams to enhance SAP ERP ETL operational workflows, increasing data loading speed by 50%.
- Conducted thorough SQL querying and database validation to accurately extract essential information, ensuring data reliability & precision.
- Developed CRM reports & SAP BI/SAC dashboards to boost system performance by 30%, streamline data visualization & migration.
- Automated and maintained data pipelines using SAP BI/BO and Excel VBA, Macros to ensure accurate reporting, and improve data integrity.
- Utilized JIRA for tracking and prioritizing project tasks, ensuring timely delivery of analytical solutions aligned with stakeholder goals.
- Conduct thorough testing of new functionalities aimed at improving the data annotation process to align reporting with business needs.

Exambazaar

India

Business Analytics Intern

Dec 2020 – Dec 2021

- Conducted quantitative analysis on large datasets to uncover trends, patterns and insights using statistical methods, SQL through SSMS.
- Thoroughly documented and reported and resolved bugs, defects, and inconsistencies found in the software.
- Managed project diligently, conducted comprehensive online research to gather critical data, & contributed to a 10% increase in efficiency.
- Mastered MS Excel functionalities, pivot tables, complex graphs/charts, conditional formatting & data tables, to conduct in-depth data analysis.
- Designed and built interactive dashboards in Power BI, incorporating data-driven insights & KPI reporting for solving business problems.
- Automated reporting processes and simple programming to extract operational insights and support management decision-making.

EDUCATION

California State University, Long Beach

May 2025

MS, Information Systems

(GPA: 3.7/4)

Kadi Sarva Vishwavidyalaya, Gandhinagar, India

May 2022

BS, Information Technology

(GPA: 8.6/10)

PROJECTS

AI-Enhanced Data Orchestration Platform: Integrating Amazon Bedrock, Sagemaker, & Snowflake

April 2025

- Engineered AI-driven Streamlit applications using Amazon Bedrock and Snowflake & deployed real-time data interaction visualizations.
- Implemented no-code Generative AI & LLMs to optimize & augment workflows using Amazon Sagemaker Canvas, for tailored user experiences.

Chat with PDF using LangChain and OpenAI

Jan 2025

- Utilized LangChain framework and OpenAI libraries to create a GPT version for PDFs, to interact dynamically with PDF content.
- Integrated it with chat memory function using vectordb as a retriever and allows chat history management.

COVID-19 Data Visualization and Analytics Project

Feb 2025

- Developed an interactive Tableau dashboard for real-time COVID-19 tracking & KPI monitoring immediate access to health statistics.
- Integrated complex SQL queries in SSMS to enhance data retrieval & analysis, enabling swift decision-making & detailed trend analysis.

Blinkit - Power BI Dashboard

Nov 2024

- Developed real-time Power BI dashboards, utilizing Excel features for comprehensive analytics & insightful reporting.
- Led Power BI training on DAX and Power Query, boosting team skills in data manipulation and visualization.

SoCal Datathon at California State University Fullerton

October 2024

- Led a team in the Datathon, processing & visualizing unstructured data using Alteryx & Tableau, presenting insights to an audience of 300+.