AKARSHIKA SINGHAL

Akarshikas.1011@gmail.com | (443) 251-6848 | [LinkedIn](#)

PROFILE SUMMARY

Experienced data analyst with expertise in data warehousing, data modeling, data visualization, and statistical analysis. Proficient in Python, SQL, Power BI, and Tableau with end-to-end customer delivery experience. Skilled in project and client management utilizing Agile approaches to deliver timely solutions. A creative problem solver and passionate leader dedicated to enhancing data provider and consumer experiences.

PROFESSIONAL EXPERIENCE

Perficient Inc, Chicago, IL, USA   **Oct 2021** – **Nov 2022**
SENIOR TECHNICAL CONSULANT

- Conducted queries to transform logic while working on a data mapping document in MS Excel using pseudo-SQL.
- Analyzed and ran statistical analysis on 200 million patient data while adhering to HIPAA and FCRA regulations.
- Collaborated with the client to handle missing data values and validated all data using PySpark.
- Designed an architecture for effective data extraction, transformation, and loading from various data sources using AWS and SQL technologies.
- Analyzed data using SQL, Tableau, and Excel, producing insightful graphics to share with stakeholders.
- Created A/B tests to enhance performance and user experience.
- Tested spark transformations methods with unit testing in development and production environments.
- Built data and reporting infrastructure from the ground up using Tableau and SQL to provide real-time insights into the product, marketing funnels, and business KPIs.
- Documented specifications for business intelligence and information technology reports and dashboards.
- Utilized various business intelligence tools to identify and monitor current and potential customers.

Index Analytics LLC, Baltimore, MD, USA   **Jan 2021** – **May 2021**
DATA ANALYST INTERN

- Modeled data and implemented the data model on S3 using Python, PySpark, increasing accuracy by 77%.
- Completed data cleaning and validation of existing spreadsheets to promote a robust data management platform for accurate data analysis.
- Identified, analyzed, and interpreted trends and patterns in complex data sets by finding correlations and visualizing them with charts.

iSmile Technologies, Baltimore, MD, USA.   **Dec 2020** – **Mar 2021**
UI DEVELOPER INTERN

- Developed UIs within frontend web technologies such as HTML, CSS, and JavaScript, utilizing associated templates and tools to shorten development times.
- Employed end-to-end SDLC methodologies during multiple projects, streamlining cross-discipline development and producing results.

AKARSHIKA SINGHAL

Cognizant Technology Solutions, Gurugram, India   **Apr 2018 – May 2019**
PROGRAMMER ANALYST TRAINEE
- Designed, created, tested, and debugged interface software and data conversion procedures.
- Built ETL models to improve business processes and automate data extraction, saving 200-man hours.
- Assisted developers with ETL to create pipelines in Azure for proper data flow and created SQL databases that can be modified, imported, and exported.
- Collaborated with teammates and clients for requirement gathering.
- Used stored procedures, triggers, and views to provide structured data to business units by combining millions of rows from 5 disparate data sources.
- Created business intelligence tools and systems, including design of related databases, spreadsheets, and outputs.
- Managed timely flow of business intelligence information to users.

EDUCATION

Master of Science, Information Systems – University of Maryland- Baltimore County, 2019 – 2021

Relevant Courses: Advance Database Projects, Datamining, Introduction to Data Science, Intelligent Technologies

Bachelor of Engineering, Electronics and Communication – Rustamji Institute of Technology, Gwalior, India, 2013 – 2017

TECHNICAL SKILLS

Programming Languages: Python, PySpark, SQL, PL/SQL, C, C++, HTML, CSS, JavaScript
Business Intelligence (BI) Tools: Tableau, Power BI
Databases: Oracle, MySQL, MongoDB, NoSQL, Databricks
Tools and Libraries: Microsoft Excel, VS Code, Pycharm, Jupyter Notebook, Pandas, Numpy
Cloud Technologies: Amazon AWS, Snowflake, Redshift, Microsoft Azure
Project Management: Agile (SCRUM methodology), JIRA

CERTIFICATIONS

- Tableau
- Alteryx