Alkesha Baikar

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CAREER OBJECTIVE

An Ambitious data engineer passionate about leveraging my expertise in data-driven solutions to enhance data infrastructure and analytics capabilities. I am eager to join an innovative organization where I can apply my expertise in data engineering to drive effective data initiatives.

EXPERIENCE

Bank of America | DATA ENGINEER
August 2023 – Current | Mumbai, India

→ Effectively automate the end to end process for the data generation process.
→ Effectively reduce the efforts required for analysing and finding patterns in the data by building
→ Developed and implemented unit test cases to ensure exceptional data quality and process functionality through in-depth unit testing.
→ Led data loading operations into the target database with precision and efficiency.
→ Proactively managed and updated Confluence pages for seamless project documentation.
→ Collaborated effectively with cross-functional teams, including analysts and software engineers, to ensure the seamless integration of data solutions into the application.
→ Maintained comprehensive documentation for all use cases, making it easier for team members to understand and troubleshoot issues.

Technologies used: Python, PySpark, Hive, Hadoop, SQL, Pandas

Bank of America | SOFTWARE ENGINEER
July 2021 – July 2023 | Mumbai, India

→ Proficiently gathered requirements and accurately estimated turnaround times for tailored data generation.
→ Successfully collaborated with both Kanban and Scrum teams, ensuring smooth project execution.
→ Worked on the proof of concept (POC) to generate the new dummy data for different types of testings in downstream applications.
→ Responsible for creating the process document for functional and non-functional requirements of the project.
→ Built custom modules to streamline the data generation process, saving time and effort.
→ Participated in code reviews and provided constructive feedback to maintain code quality and adherence to data engineering best practices
→ Contributed to the generation of 250 million pseudo data records for performance testing.

Technologies used: Python, PySpark, Hive, Hadoop, SQL

EDUCATION

Veermata Jijabai Technological Institute
MASTER OF TECHNOLOGY
August 2019 - July 2021 | Mumbai
Software Engineering
CGPA: 9.36 / 10

Dr.Babasaheb Ambedkar Technological University
BACHELOR OF TECHNOLOGY
July 2014 - July 2018 | Lonere, MH
Computer Engineering
CGPA: 9.10 / 10

SKILLS

Technical Skills
Proficient:
Python • PySpark • Hadoop • Hive • Data Analysis (Pandas, NumPy) • SQL • Data Visualization (Plotly, Pygal) • RDBMS • Data Modeling • Shell scripting • Autosys • Data ETL

Familiar:
Sqoop • Azure • Machine Learning • Natural Language Processing • Computer Vision • MongoDB• Linux • Cassandra

Tools/Platforms
UNIX Putty • Git • JIRA • Jupyter Notebook

Strength
Active Listener • Determined • Commitment to collaboration and teamwork

PROJECTS

Surface Water Detection Using Semantic Segmentation
2021
→ Worked on a project which detects and segments the surface water resources from aerial images using image processing and deep learning techniques like semantic segmentation.
→ The application takes a satellite or aerial image as an input and result contains detected surface water resources.

Technologies used: Python, Keras, OpenCV

Classification of Poems
2018
→ Developed a web application which can easily identify the emotions behind a given poem.
→ It is Natural Language Processing and Machine Learning based application capable of classifying poems into its most preferable emotion category.

Technologies used : Python, NLTK, scikit-learn, Flask, HTML, CSS

CERTIFICATIONS
→ Microsoft Certified: Azure Data Fundamental

RELEVANT COURSES
→ Introduction to Natural Language Processing by Udemy
→ Hive to ADVANCE Hive (Real time usage) :Hadoop querying tool
→ MongoDB Basics
→ MongoDB for SQL Pros