

VISHAL BASAVRAJ KAMLAPURE

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Mumbai, India

Vishal-Kamlapure

khudara17

WORK EXPERIENCE

Data Engineer

Reliance Jio

November 2022 - Present

Mumbai, India

- Developed a Flink streaming application processing 10M+ Kafka records/day, providing real-time insights on customer service requests, improving query resolution quality and speed by 12%. (Java).
- Implemented Flink data pipelines migrating Amazon MSK (Kafka) streaming data to various target systems (AWS S3, RDS, Hive etc.) enabling data accessibility to business tracks.
- Designed a multithreaded Java utility to transfer over 6 million NAS files to HDFS daily, enhancing throughput by more than 18% compared to generic HDFS command-based scripts.
- Led a team of 3 to migrate Hana batch jobs to Flink streaming, achieving real-time status updates on sim card activation, enhancing customer services for merchants and users.

Data Engineer

Tata Consultancy Services (Banking Client)

April 2021 – November 2022

Mumbai, India

- Developed and optimized Spark ETL scripts processing upstream Capital Market data, enhancing reconciliation software efficiency. (Hive, Sqoop, Hadoop, Control-M)
- Created python scripts for automated file transfer from NAS to AWS S3 buckets, ensuring seamless data flow. (BOTO3)
- Engineered and maintained 25+ SQL-based dashboards and Excel reports, facilitating daily reporting for Securities and Foreign Exchange domains.
- Automated the manual data correction process, increasing the data accuracy and efficiency by 18%+. (Python, SQL)
- Conducted Knowledge Transfer Sessions, mentoring 4 new team members, resulting in faster team onboarding and improved project outcomes.

Software Engineer

Eduera Solutions

March 2020 – March 2021

Mumbai, India

- Analyzed user video view patterns using ML algorithms, resulting in a content improvement and an 8%+ increase in user interaction time. (Python, ML, MySQL, AWS).
- Designed UI and developed APIs for Android app integration with Moodle, streamlining user interactions and course management. (Java, PHP).

EDUCATION

B.E (Computer Science)

University of Mumbai

2016 – 2020

Mumbai, India

TECHNICAL SKILLS

Programming Languages: Python, Java, PHP, C, JavaScript

Big data Tech: Flink, Kafka, Hadoop, Spark, Hive, Sqoop

Databases: MySQL, SQLite, MS SQL Server, Kudu

Cloud Tech: AWS (EC2, S3, EMR, Glue, Athena, Kinesis)

Web Technologies: Django, Web Scraping, HTML, CSS, JSON

Software/Frameworks: Git, NumPy, Pandas, Joomla

Familiar: Flume, MongoDB

PROJECTS

Sentiment Analysis using NLP

- Created a web application to compare the accuracy of various Machine Learning and Deep Learning algorithms in sentiment analysis.
- Generated custom datasets via Twitter API for model training, achieving a prediction accuracy of up to 86% for the best-performing algorithm. (Python, Django, REST API, SQLite).

Comparative Study of Encryption Algorithms

- Developed and deployed a web application to evaluate and compare the performance of various Symmetric and Asymmetric encryption algorithms on cloud-stored files of varying sizes and types. (Python, JavaScript)
- Created detailed visualizations to analyze encryption and decryption time, latency, and memory usage, using Plotly.

Library Management System

- Designed and implemented a Library Management System, providing a robust platform for librarians to maintain comprehensive records of books and users.

ACHIEVEMENTS

Course: Hadoop Developer (Udemy)

- Completed a comprehensive Hadoop Developer course on Udemy, enhancing Big Data skills.

Research Paper Publication

- Published a comparative study of sentiment analysis algorithms in the IJREAM journal.

Technical Team Leadership

- Directed a 10-member team at SSJCET, organizing and managing technical events, coding, and gaming competitions.

NMMS Scholarship Recipient