

SUMMARY

I am a Bangalore-based Data Engineer with comprehensive experience in designing and building scalable data solutions, including ETL pipelines, Big Data architectures, and leveraging cloud infrastructure with additional exposure to machine learning algorithms and data-driven modeling through hands-on Python projects. I am seeking a challenging data engineering role where I can apply my expertise in data manipulation, Apache Spark, and cloud platforms to drive data-driven insights and optimize data processes for impactful business outcomes.

SKILLS

SCALA (SPARK) PYTHON

Scikit-learn
Numpy
Pandas
Powershell, Bash

CLOUD SERVICES

AWS - S3, EC2, Redshift
Azure - ASA, Data Factory
Databricks - PySpark
ThingSpeak - IoT analytics
Google Firebase

ANALYTICS

Machine Learning Fundamentals
Data Preprocessing & Model Evaluation
Spark streaming, Flink, Hadoop, Hive
Sqoop, PowerBI, VSC
MS Office, LaTeX

DATABASE MANAGEMENT

SQL (pgMySQL, MS)
HBase, HDFS, DBFS
Apache Kafka
Apache Airflow
Data Warehousing

PROJECTS

Analyzing Establishments in Eastern Saudi Arabia | Scala, Apache Spark, Databricks, AWS S3

- Processed and analyzed a dataset of 3,000+ establishments in Eastern Saudi Arabia using Scala and Apache Spark to extract insights on ratings, types, and geographic locations of businesses.
- Engineered an ETL pipeline to clean, transform, and analyze the dataset followed by geospatial analysis using Spark to cluster establishments based on latitude and longitude, identifying potential commercial hubs and high-density business areas.
- Deployed the full data pipeline on Databricks and integrated with AWS S3 for cloud-based data storage

Scraping and Analyzing Job Listings Data | Python(BS4,Selenium), Airflow, PostgreSQL,PowerBI

- Scraped 1,000 job listings from Times Now Jobs using Python, BeautifulSoup, and Selenium ([GitHub Link](#))
- Engineered an ETL (Extract, Transform, Load) pipeline to clean, transform, and load data into PostgreSQL tables using Python and Apache Airflow.
- Conducted SQL queries on PostgreSQL to derive meaningful insights, including the city with the most job opportunities, the most valued skills, job roles for freshers, and other key metrics.
- Created an interactive Power BI dashboard to visualize and display job market insights, enhancing data-driven decision-making for job seekers and recruiters.

Integrating FBG Sensors with Cloud Platform | Python, FBG Sensors, BitScopeDSO, RbPi, Google Firebase

- Demonstrated the effectiveness of cloud-based data analysis for electronic circuits and IoT devices
 - Engineered a data pipeline by integrating BitScope DSO and Raspberry Pi with Google Firebase for real-time data ingestion and processing.
 - Developed and optimized data collection protocols, ensuring high data integrity and efficient cloud storage.
 - Implemented data analytics solutions in the cloud, facilitating real-time monitoring and analysis.
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EXPERIENCE

Subject Matter Expert (IoT, Cloud and Electronics) | KENZ INNOVATIONS | REMOTE INTERNSHIP | Oct 2022 - Jan 2023

- Excelled in handling technical file solutions, applying calculations, and driving coding and programming initiatives.
 - Spearheaded the creation of an IoT-based smart home system, with an analytic dashboard, improving system response time by 30% and enhancing user experience.
 - My remarkable coordination and communication abilities consistently facilitated seamless project execution, displaying my dedication to both technical excellence and collaborative success.
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EDUCATION

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY (IIITDM) KANCHEEPURAM, INDIA (2019-2023)

B.TECH ELECTRONICS AND COMMUNICATION (ECE)

INTERNATIONAL INDIAN SCHOOL (IIS) AL-JUBAIL, KSA

SENIOR SECONDARY (12TH GRADE); PHYSICS, CHEMISTRY, MATHEMATICS AND COMPUTER SCIENCE

CERTIFICATIONS

- Machine Learning with Python (ML0101EN) by IBM | Nov, 2024
 - Big Data Hadoop and Spark with Scala from Udemy | May, 2024
 - Microsoft Certified: Azure Data Fundamentals (DP-900) | Jun, 2024
 - Certified Cloud Practitioner (CLF-C02) by AWS (Amazon Web Services) | Jan, 2024
 - Introduction to IoT certification from IIT Kharagpur | Apr, 2023
 - Programming in Python: NPTEL silver certification from IIT Ropar | Nov, 2022
 - Cloud Computing Elite Certification from IIT Kharagpur | Nov, 2022
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