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Vishwas J
Data Engineer

SUMMARY

Performance-driven professional with strong communication, organizing, and presentation skills, Capable of working in diverse environments with an overall of 4 years of experience. Proven team player with strong teaching, training, and mentoring skills, resulting in the development of cohesive and high-performing teams.

KEY SKILLS

Presentation Skills, Communication, Leadership, Analytical Skills, Adaptability & Flexibility, Interpersonal Skills, Initiative & Self-Motivation, Customer Service

TECHNICAL SKILLS

Data Transformation: data cleansing, data validation, data enrichment, and data normalization
Database Management: Elastic search, SQL, PostgreSQL, & Oracle
Big Data Technologies: Spark, Kafka, Hadoop & insights on distributed computing for processing large-scale data
Data Visualization: Tableau & other visualization tools to communicate insights effectively.
Scripting and Programming: Python, Java / Scala, Unix, Logstash
Data Pipeline Development: FastAPI, Jenkins, OpenShift
Data Integration: Integrating data from various sources, such as databases, APIs, and external data sources
Cloud Computing: Google Cloud Platform
DevOps Skills: Docker, Kubernetes ,monitoring tools & ELK
Machine Learning skills : Data Analysis, Data Mining, Modelling Techniques, Optimization Techniques, Data wrangling, Classification, regression, text analytics, Predictive Modeling, Statistical Methods, time series analysis, multivariate regression

PROFESSIONAL EXPERIENCE

Data Engineer   Jan '22 - Present
Ducen IT Pvt Ltd

POC : Distributed Data Ingestion from Elastic Search stack to Apache Spark
- Successfully installed and configured a multi-node **Spark cluster**, including network communication setup.
- Managed to work with data engineering team to perform ETL processes via Apache Spark SQL and Scala in Jupyter notebook and shell script.
- Dockerized the cluster using Docker Compose and created network links for seamless data ingestion from Elastic Search stack to Apache Spark.

Improvement of Matching process for BRS - CPM
- Explored and experimented with various supervised machine learning algorithms, including SVM, Random Forest, XGBoost, LightGBM to optimize performance on tabular data and achieve balanced multiclass classification results with improved false positive and false negative rates.
- Conducted experiments on unsupervised machine learning algorithms such as K-Medoids and DBSCAN to automate data labelling and reduce manual labor, resulting in significant time savings.

Improvement of Auto Approval process for BBM - CPM
- Utilized Python, Pandas, and Scikit-learn to streamline the process of analyzing model outputs and effective analysis of machine learning results.
- POC for **Apache Spark** to evaluate its feasibility for distributed machine learning model training, and provided key findings and recommendations to senior management regarding its potential integration into the existing data pipeline.

Training and Development Experience
- Conducted comprehensive **training** sessions for around 30 individuals for 3 months on fundamentals Data and DevOps engineering, equipping them with the skills and knowledge needed for success.

DevOps Engineer   Jan '21 - Dec '21
Ducen IT Pvt Ltd
- Worked collaboratively with DevOps engineers and Production Support teams to troubleshoot and resolve production issues, ensuring smooth and uninterrupted operations.
- Played an active role in deployment activities, ensuring timely and efficient delivery of software releases to production environments.
- Gained valuable experience with key technologies such as Elastic Search, Logstash, Manage Engine, Unix, Shell scripting, and Kibana, further enhancing technical skills and expertise in relevant areas

ML Consultant   Jun '19 - Aug '20
Rove Labs Pvt Ltd   Bengaluru, IN

Involved in machine learning projects, conducted workshops, internships, and mentored students and data science enthusiasts. Regulated e Learning platform by creating course materials and recording instructional sessions.

OTHER EXPERIENCES

Rolls Royce Pvt ltd - Intern
NAL - National Aerospace Laboratory, **BEML** - Bharath Earth Movers Limited

EDUCATION

- PG Diploma in Data Science | IIIT Bangalore & UpGrad | Mar 2019 - Mar 2020
- M.E - Machine Design |UVCE | Bengaluru 82.43 % |2016-18
- B.E – Mechanical | BIET | Davanagere| 78% | 2011-15,
- PUC | 90.00% | 2011
- SSLC | 92.96% | 2009