

MOHIT GUPTA

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OBJECTIVE

Results-driven Data Scientist with over 3 years of experience in Data analysis, DevOps, and development within a startup organization. Proven expertise in deploying data-driven solutions to minimize costs and improve operational efficiency. Adept at real-time troubleshooting and delivering actionable insights through data-driven approaches. Seeking a challenging position of Data Scientist to leverage analytical skills and technical knowledge to contribute to innovative projects in a dynamic organization.

EDUCATION

Master of Computer Applications (MCA) , (Silver Medalist)	2019 - 2021
JIMS: GGSIPU College, Delhi	
Bachelor of Computer Applications (BCA)	2016 - 2019
JIMS: GGSIPU College, Delhi	

SKILLS

Programming Languages	Python, R, Java, SQL
ML & Data Science	Scikit-learn, Pandas, NumPy, SciPy, spaCy
Deep Learning	Keras, TensorFlow, Pytorch, Natural Language Processing (NLP), GenAI, LLM
Framework	Flask, Django, Spring boot, Langchain, Huggingface
Cloud Platforms	Google Cloud Platform (GCP), Microsoft Azure, AWS
DevOps Tools	Docker, Kubernetes, Serverless Services, Jenkins, MLOps
Data Visualization	Tableau, Power BI, Matplotlib, Seaborn, Plotly, Grafana
Version Control	Git, Github, Bitbucket
Big Data Technologies	Hadoop, Apache Spark, Hive, Pyspark
Databases	PostgreSQL, MongoDB, MYSQL

EXPERIENCE

Manager – Software Development & Technology <i>Caleedo (PAS Digital Pvt Ltd)</i>	Mar 2021 - Present <i>Gurugram, Onsite</i>
<ul style="list-style-type: none">Developed and deployed machine learning/deep learning models to solve real-time business problems.Conducted exploratory data analysis to identify trends and patterns in large datasets, leading to actionable insights for product development.Convert the entire cloud infrastructure to a serverless architecture which reduces cloud cost by 50%.Managed a team of IT professionals, providing training, coaching, and mentoring to ensure high-quality work and team development.Conducted real-time troubleshooting and provided innovative solutions to streamline operations and enhance the user experience.Designed and developed RESTful APIs and integrated them with front-end applications & IOT devices.Implemented best-practice methodologies that improved overall project delivery timelines while maintaining quality standards.Conducted in-depth data analysis, providing insights to stakeholders for informed decision-making.Collaborated with cross-functional teams to optimize system performance, scalability, and reliability.	

- Set up monitoring using Prometheus and Grafana to track system performance and alert on issues.

PROJECTS

Intelligent Forecasting for Washroom Essentials

- **Objective:** Reduce costs associated with washroom consumables.
- **Approach:** Implemented a machine learning model to predict consumable usage based on historical data and foot traffic patterns.
- **Libraries/Model:** Time Series Forecasting, Random Forest, SVM, ARIMA, LSTM
- **Result:** Achieved a 20% reduction in waste and cost savings by optimizing inventory levels and scheduling refills accurately.

Insight Generation for Indoor Air Quality

- **Objective:** Generating actionable insights to improve environmental conditions within indoor spaces.
- **Approach:** Utilizing Transformer models to derive actionable insights aimed at enhancing indoor environmental conditions.
- **Libraries/Model:** Transformers, GenAI, TensorFlow, RAG, Azure AI Studio
- **Result:** Improved indoor air quality by 25%, enhancing employee health and productivity.

Analyzing Customer Feedback Sentiments

- **Objective:** Sentimental Analysis on customer feedback for service improvement.
- **Approach:** Employed NLP techniques to categorize and analyze sentiment from feedback data.
- **Libraries/Model:** RNN, NLTK, TF-IDF, Word Embedding, Word2Vec, LSTM, BERT
- **Result:** Increased customer satisfaction by 30% by addressing identified issues.

Object Recognition Using CNN

- **Objective:** The goal is to accurately identify and classify objects within images, enabling applications such as image search, content moderation.
- **Libraries/Model:** VGG16, ResNet50, Transfer Learning, YOLO
- **Result:** Contributed to improved user experience and functionality in applications.

A Digital Hygiene Solution

- Designed and built an WashroomIQ, IAQ (Indoor Air Quality) & surface hygiene solution from scratch using micro service-based architecture.
- Integrated our services with IoT devices and used **MQTT** pub/sub to communicate with the device and get real-time data from it.

Smart Workspace Application

- Developed the Visitor Management | Seat & Meeting Room Booking | Service Reservation Solutions.
- Designed and implemented a DevOps pipeline to automate software delivery and infrastructure management for a large Smart Workspace Management Application.

CERTIFICATES

- [Deep Learning Specialization](#) | Coursera | Andrew NG
- [Google Cloud Certified Associate Cloud Engineer](#) | Google Cloud
- [Microsoft Certified: Azure Administrator Associate](#) | Microsoft
- Full Stack Data Science | Ineuron (In-Progress)