GIRISH KUMAR

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SUMMARY

Engineering and Operations Professional with 2+ years of hands-on experience in SQL and basic Python for data reporting, root cause analysis, and production monitoring. Motivated by early exposure to analytics tools, I completed a PG Diploma in Big Data Analytics (CDAC) to deepen my expertise in data science, machine learning, and advanced programming.

SKILLS

Languages & Tools
- Python, Java, R
- SQL, MySQL, PostgreSQL
- Bash, Git

Libraries & Frameworks
- Pandas, NumPy
- Seaborn, Matplotlib
- Scikit-learn, TensorFlow, Keras
- OpenCV

Tools & Platforms
- Tableau, Excel
- Jupyter Notebook, Colab
- VS Code
- Linux, Github, Postman

EXPERIENCE

06/2023 - 05/2024

Assistant Manager
Taehwa India Pvt Ltd, Noida, India
- Collaborated on developing strategies to improve operational efficiency using data insights.
- Used SQL queries and Excel for analyzing production data and creating efficiency dashboards; helped reduce operation delays by 15%
- Built cost models and assisted in budget planning using historical datasets.
- Gained hands-on experience in using spreadsheets and basic databases for internal reporting.
- Wrote basic Python scripts to automate daily reporting tasks and data cleanup from internal systems.
- Collaborated with cross-functional teams and applied data-driven insights for process optimization.
- This experience sparked my interest in data analytics and led me to pursue structured learning through CDAC.

01/2020 - 05/2023

Engineer
Medico Electrodes International Ltd, Noida, India
- Designed and enforced standardized operating procedures across 3 departments, increasing documentation accuracy.
- Used SQL for internal reports on operational KPIs and downtime logging.
- Gained exposure to the power of data in process improvement, motivating deeper learning in data tools and technologies
- Monitored and logged operational KPIs, improving data accuracy and audit-readiness.
- Provided downtime diagnostics and system support using logic-based troubleshooting methods.

11/2016 - 12/2019

Engineer
JRG Automotive Industries India Pvt Ltd, Ahmedabad, India
- Managed preventive maintenance schedules across 50+ machines using Excel tracking and performance logs.
- Reduced inventory waste by 12% through usage-based stock optimization.
- Conducted root cause analysis to address recurring breakdowns and reduced repair time.

EDUCATION

2024-2025	**Post Graduate Diploma in Big Data Analytics** Centre for Development of Advanced Computing (CDAC) **,** Noida Enrolled to advance my foundational skills in Python, SQL, and analytics developed during prior work experience.
2012-2016	**B. Tech., Electrical And Electronics** M B M Engineering College, Jodhpur, Rajasthan

PROJECT

SignSaar : Sign Language Detection to Hindi translation

Platform : Python | ML | CNN | OpenCV | Jupyter Notebook

- Built a deep learning model using Convolutional Neural Networks (CNN) to classify Indian Sign Language gestures.
- Applied image preprocessing, cross-validation, and model evaluation (accuracy, precision).
- Achieved 98%+ test accuracy on 35-class gesture dataset.
- Enabled real-time image-based Hindi translation for ISL alphabets, aiding inclusivity for the deaf community.

Marketing Ad Analysis Using Viewer Duration (Assignment)

Platform : Python | Matplotlib | Pandas | Seaborn | Jupyter Notebook

- Analyzed 10K+ rows of viewer stream data to identify optimal ad placement windows.
- Created insightful visualizations to evaluate ad performance within 5-hour deadline.
- Presented insights on viewer retention trends to recommend data-driven marketing decisions.

CERTIFICATIONS

- SQL Certification – HackerRank (2024)

LANGUAGES

- **Hindi :** Native proficiency
- **English :** Professional working proficiency