

# SHLOK MATHUR

## Data Analyst

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## EDUCATION

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### VELLORE INSTITUTE OF TECHNOLOGY

Bachelor of Technology

Major in Computer Science; Minors in Mathematics

Cumulative GPA: 7.96/10

Bhopal, MP  
Expected May 2024

## WORK EXPERIENCE

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### CEREBRY

Hybrid

#### Data Analyst

Feb 2024 – Present

- Developed Python scripts to implement computational mathematics constraints for generating multiple questions from a single query at Cerebry, resulting in a **50% reduction in project deadlines**, showcasing a significant increase in **work efficiency** for question generation tasks.
- Led statistical and logarithmic operations within a team of **10 members**, ensuring accurate data analysis and interpretation with a precision rate of **95%**.
- Strengthened skills with generative AI, achieving a **30% efficiency** boost in question generation and enhancing content creation processes.

### KINDME

Mumbai, Remote

#### Data Engineer

Mar 2023 – June 2023

- Spearheaded the development of Python scripts for generating datasets and implementing data augmentation techniques, achieving a data accuracy rate of **97%**.
- Prioritized data quality assurance by overseeing statistical operations and ensuring accuracy in the generated datasets within a cross-functional team of **8 members**.
- Applied advanced data engineering skills, resulting in a **25% efficiency** improvement in training processes and enhanced machine learning model performance..

## UNIVERSITY PROJECTS

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### DRONE DETECTION MODEL

Sep 2023 - Feb 2024

- Designed Description:** Employed Pandas and NumPy for sophisticated data augmentation, expanding the drone detection dataset to 15,000+ images.
- Skills:** Pandas, NumPy autonomously diversify data, 20% increase scenarios.
- Learned:** Acquired practical insights in Pandas and NumPy, data augmentation proficiency with a 15% boost in efficiency.
- Project Link :** [Project Link](#)

### CERVICAL CANCER CLASSIFICATION ANALYSIS

Sep 2023 - Feb 2024

- Description:** Analyzed cervical cancer risk; processed and visualized data, achieved **95% accuracy** in risk prediction.
- Skills:** Enhanced **efficiency by 40%** in data cleaning, visualization, and model evaluation using **Pandas, and Matplotlib**.
- Learned:** Boosted training and testing **efficiency by 20%**, optimizing model evaluation and performance.
- Project Link :** [View Notebook](#)

## ADDITIONAL

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### Technical Skills:

- SQL, PowerBI, Ms Excel
- Proficient in Python, Latex

### Certifications & Training:

- Salesforce Ai Associate
- Google Data Analytics
- Microsoft Certified: Data Analyst Associate with Power BI
- Applied Machine Learning

## ACTIVITIES

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### NATIONAL SOCIAL SERVICE

Vit University, Bhopal  
Sep 2022 – Aug 2023

Head of Society

- As Commander Officer, coordinated student files, troop security, and led **400+** volunteers. Organized **2** blood donation camps, facilitated **2** real-world experiences, engaging with **1000+ rural people**.