SATYAM SAURAV

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PROFESSIONAL SUMMARY

Detail-oriented and results-driven **Data Analyst** with hands-on experience in data wrangling, visualization, and machine learning. Proficient in Python and SQL for end-to-end pipeline implementation. Strong foundation in statistical analysis and predictive modeling. Passionate about turning complex data into actionable insights.

WORK EXPERIENCE

- **MLEAPTECH MOBLEY PRIVATE LIMITED**

  Data Analyst Intern   *May 2025 – Jun 2025*
  - Developed interactive dashboards in Power BI and Tableau to provide real-time business intelligence.
  - Applied ML models to support marketing and operational strategies.
  - Conducted exploratory data analysis (EDA) to identify key performance trends and automate data preprocessing pipelines using Pandas and NumPy
  - Improved model accuracy by 15% through feature engineering.

EDUCATION

- **Vellore Institute of Technology (VIT)**   Vellore, India

  B.Tech in Electronics and Communication Engineering; CGPA: 7.60   *2022 – 2026 (Expected)*

- **L.A Garden High School**   Ranchi, India

  Senior Secondary (Class XII), CBSE; 80%   *Apr 2021*

- **S.R D.A.V. Public School**   Ranchi, India

  Secondary (Class X), CBSE; 90%   *Apr 2019*

SKILLS

- **Programming Languages:** Python, SQL, Java, R
- **Libraries:** Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib
- **Web Development:** Flask, HTML, CSS
- **Databases:** MySQL, MongoDB
- **Visualization:** Power BI, Excel, Tableau
- **Tools:** Git, Jupyter, Google Colab, VS Code
- **Soft Skills:** Communication, Team Collaboration, Time Management, Problem Solving, Adaptability

PROJECTS

- **Monument Image Classifier using CNN**

  Python, TensorFlow, OpenCV
  - Trained a CNN to classify 10 Indian monuments with 95% accuracy.
  - Used data augmentation, OpenCV for preprocessing, and Matplotlib for visualization.

- **Real-Time Sign Language Translator**

  Python, TensorFlow, Keras, OpenCV, MediaPipe
  - Developed a dual-mode application to translate both static ASL alphabet signs and dynamic words into text using a live webcam.
  - Implemented a CNN for image classification and an LSTM for gesture recognition.
  - Leveraged MediaPipe for real-time landmark detection and improved the static model's validation accuracy to 78% through transfer learning (EfficientNet) and data augmentation.

CERTIFICATIONS

- Supervised Machine Learning: Regression and Classification, DeepLearning.AI and Standford Online on Coursera

- Getting Started with Enterprise-Grade AI – IBM (Jul 2024)

PUBLICATIONS

- **Low-Power High-Precision Approximate Multiplier in CNN Feature Extractor** – IEEE ICCAMS 2025

ACHIEVEMENTS

- Core Member, ISA-VIT; organized 15+ workshops/events with 500+ participants.

- Managed logistics, sponsorships, and budgeting for a 200-member student chapter.

- Participated in hackathons and programming contests.