

Shirish Madutha

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Technical Skills

- **Languages and DataBases** : Python, MySQL, Oracle SQL
- **Tools / Platforms** : Power BI, Tableau, Advanced Excel, AWS
- **Libraries / Frameworks** : Numpy, Pandas, Scikit-Learn, Tensorflow, Flask, Selenium, Beautiful Soup
- **Other Skills** : Business Analysis, Data Analysis, Customer Acquisition, A/B testing, Storytelling

Experience / Projects

K Gyan Design Labs

June 2025 – Present

Consultant

Mumbai, India

- Designed and automated a **real-time data pipeline using Python and Selenium** to extract and structure lead data, **reducing manual effort and processing time by 60%**.
- Parsed, cleaned, and transformed large datasets using Pandas to support market analysis and reporting, providing up-to-date, accurate insights to stakeholders.

Deloitte

Jan 2025 – April 2025

Associate Analyst

Hyderabad, India

- Streamlined data modeling and cleaning processes, **reducing preparation time by 25% and boosting data accuracy by 15%**.
- Developed and presented interactive dashboard using Tableau, resulting in enhanced **stakeholder understanding of complex datasets**.

Mshah Teachnologies

Dec 2023 – Dec 2024

Data Analyst Intern

Hyderabad, India

- Streamlined and optimized SQL query operations, successfully **reducing processing times by over 50%**, thus enhancing overall database efficiency and response times for business-critical operations.
- Enhanced the effectiveness and reach of various political and product ad campaigns, leveraging SQL and Excel for data analysis, directly leading to a **significant 9% boost in campaign ROI and revenue growth**.
- Produced detailed data reports using Power BI that informed marketing strategies, **leading to a 15% increase in customer engagement**.
- Developed and implemented new data visualization techniques using Python libraries, **resulting in a 20% increase in client satisfaction**.

Personal Projects

1. Image Recognition

- Developed and deployed deep learning-based image recognition models to classify and detect objects across diverse datasets, **improving visual detection accuracy by 97.90%**.
- Integrated real-time inference capabilities into a web interface using Flask and OpenCV for live image classification.

2. MLOps

- Designed and implemented **machine learning automation** pipelines to streamline model training, evaluation, deployment, and monitoring, resulting in improved model reproducibility, **reduced manual effort by 70%**.
- Utilized advance regression techniques, engineered and selected relevant features, leveraging domain knowledge and statistical analysis to **enhance model accuracy by 96%**.
- **Built automated CI/CD pipelines** using AWS CodePipeline and Elastic Beanstalk for model versioning and deployment.

Education

University of Mumbai

Bachelors of Computer Science

CGPI : 8.4