G. SHIRISHA

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Portfolio: https://shirishasuresh.github.io/

PROFESSIONAL SUMMARY

Passionate and detail-oriented Aspiring Data Analyst & Machine Learning Engineer with strong foundations in Python, SQL, Power BI, and Statistics. Skilled in extracting insights, building predictive models, and applying analytical techniques to solve real-world problems. Eager to contribute to data-driven decision-making and enhance organizational performance through continuous learning and innovation

CORE SKILLS

Programming & Libraries: Python (Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn), Core Java
Databases: SQL (DDL, DML, Joins, Subqueries, Window Functions), MySQL
Visualization: Power BI, Tableau
Machine Learning & Statistics: Regression, Classification, Random Forest, XGBoost, Hypothesis Testing, ANOVA, Descriptive & Inferential Statistics
Tools: Jupyter Notebook, Git, VS Code, Eclipse, Streamlit, MS Excel (Advanced)
Soft Skills: Analytical Thinking, Problem-Solving, Quick Learner, Team Collaboration, Leadership

EDUCATION

Post Graduate Program in Data Science and Analytics (Advanced Machine Learning Track) | Imarticus Learning | 2025
Master of Computer Applications (MCA) | Administrative Management College, Bangalore University | CGPA: 8.0 | 2025
Bachelor of Computer Applications (BCA) | Shree Medha Degree College, VSKUB | CGPA: 8.94 | 2022
PUC (PCMB) | Sri Chaitanya PU College | 2019 | 60%
10th Standard | Shree Nandi Residential Public School | 2017 | 70.04%

ACADEMIC & TECHNICAL PROJECTS

ATS Resume Analyzer | Python, Streamlit, Google Gemini API (2025)

- Built an AI-powered ATS Resume Analyzer that matches resumes with job descriptions.
- Implemented keyword extraction, skill gap detection, percentage match scoring, and personalized improvement suggestions.

Women’s Safety Dashboard | Power BI (2025)

- Designed an interactive dashboard analyzing real incident data (2022–2025) with heatmaps and trend charts.
- Proposed a future AI-based alert system for real-time risk detection without police intervention.

OrganMatch AI | Machine Learning, Python (2025)

- Developed a prediction model to match organ donors with recipients using Random Forest & XGBoost algorithms.
- Focused on imbalanced data handling, feature selection, and model performance evaluation.

Retinal Damage Detection | Deep Learning (2024)

- Built a CNN model using TensorFlow & OpenCV achieving 95% accuracy for retinal damage detection.

Online Voting System | Web Development (2024)

- Developed a secure web application with HTML, CSS, and backend logic for user authentication and voting management.

CERTIFICATIONS

- Post Graduate Program in Data Science and Analytics (Advanced ML Track) – Imarticus Learning – 2025
- Python Programming – Hope Foundation – 2024
- Python Programming – Besant Technologies – 2023

ACHIEVEMENTS

- Runner-Up — National Technology Day Presentation
- Recognized for strong technical understanding and presentation skills in academic projects