

Deepu G

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Professional Summary

Aspiring Data Scientist with a strong academic foundation in computer science and hands-on experience in machine learning and AI through internships and projects. Skilled in Python, Scikit-learn, EDA, and feature engineering with a solid understanding of statistics, linear algebra, and optimization. Demonstrated ability to solve real-world problems using structured and unstructured data. Effective collaborator with a passion for building deployable AI systems and continuously learning new technologies.

Education

Acharya Institute of Graduate Studies

Master of Computer Applications

CGPA: 8.83

Dec 2024

Sindhi College of Commerce

Bachelor of Computer Applications

CGPA: 8.88

Oct 2022

Technical Skills

- **Languages:** Python, SQL, Java, C
- **Libraries/Frameworks:** Pandas, NumPy, Scikit-learn, TensorFlow, XGBoost, Matplotlib, Seaborn
- **ML Concepts:** Regression, Classification, Clustering, Overfitting, Regularization, Feature Engineering, Model Evaluation
- **Mathematics:** Probability, Statistics, Linear Algebra, Optimization
- **Tools:** Jupyter, Streamlit, Power BI, Git, Google Cloud Platform, Vertex AI
- **Databases:** MySQL
- **Cloud/MLOps (Basic):** GCP, Docker, MLflow
- **Soft Skills:** Communication, Problem-Solving, Critical Thinking, Agile Collaboration

Experience

AI Intern – Edu Tantr Ventures Pvt. Ltd, Bangalore

Jun 2024 – Oct 2024

- Preprocessed and cleaned 100K+ records, reducing data processing time by 25%.
- Engineered features and evaluated multiple models, selecting one with 20% higher accuracy.
- Built Streamlit dashboards to improve interpretability of AI outputs by 30%.
- Collaborated with developers and analysts to deploy prototypes and automate reporting.
- Applied high-utility pattern mining to identify traffic congestion zones for smart city planning.

Projects

Real-Time Weather Forecasting App (ML + Streamlit)

2025

Built a regression model (85% accuracy) to forecast real-time weather using historical data. Integrated OpenWeatherMap API and deployed an interactive dashboard using Streamlit for user-friendly access.

Audio Deepfake Detection (ML + Streamlit)

2025

Designed a real-time deepfake audio detector (81% accuracy) using MFCC features and Logistic Regression. Processed 200+ audio samples and deployed the detection app with Streamlit for live audio inference.

Jasmine Leaf Disease Detection (CNN)

Jan 2024 – May 2024

Built a CNN model using EfficientNet (93% accuracy) to identify jasmine plant diseases. Applied transfer learning and improved preprocessing techniques. Contributed to a published research paper and enabled real-time plant health monitoring.

Certifications

- **BCG Data Science Simulation (Forage):** Built Random Forest churn model (85% accuracy)
 - **Accenture Data Analytics Simulation:** Analyzed 7 datasets, built executive dashboards
 - **Google Cloud Skill Badges:** Prompt Engineering in Vertex AI, LLMs, Responsible AI (2025)
 - **Kaggle Python Track:** Completed 20+ modules covering Python fundamentals, OOP, and data structures
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