

Lasya Priya Nata

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Professional Summary

Detail-oriented Computer Science graduate passionate about Data Science, Machine Learning, and Cloud technologies. Proven experience building ML models, deploying web apps, and generating actionable insights using EDA and visualization tools. Strong interpersonal, mentoring, and communication skills with the ability to thrive in team-based and independent environments.

Work Experience

Data Analyst ML Intern, SmartBridge – Hyderabad Apr 2025 – Present

- Built scalable pipelines and automated training workflows with Python and Bash.
- Applied supervised learning algorithms.
- Created Power BI dashboards to monitor real-time model performance.
- Mentored 20+ students on ML algorithms, deployment, and project execution.

Data Analyst Intern, Cognifyz Technologies – Remote Aug 2024 – Nov 2024

- Conducted EDA on large cuisine datasets using Pandas, Seaborn, and Matplotlib.
- Built data wrangling scripts to clean and preprocess structured datasets.
- Collaborated with cross-functional teams to present data insights using reports.
- Communicated findings through effective visualizations and stakeholder reports.

Education

Bachelor of Technology in Computer Science and Technology, G. Narayanamma Institute of Technology & Science – GPA: 8.69

Higher Secondary Certificate, Page Junior College – GPA: 8.99

Secondary School Certificate, Niraj Public School – GPA: 8.52

Projects

House Price Prediction Model – *Python, Pandas, Scikit-learn, Matplotlib*

- Developed regression model using Linear Regression to estimate property values.
- Conducted EDA, applied feature selection and correlation analysis for accuracy.
- Evaluated with RMSE and R-squared; automated pipeline using Git and Jupyter.
- Delivered project report with actionable insights and visual summaries.

Heart Disease Prediction Model – *Python, Flask, Scikit-learn*

- Implemented binary classification using Logistic Regression and KNN.
- Deployed model using Flask and RESTful APIs for real-time prediction.
- Handled data preprocessing and class imbalance with SMOTE.
- Achieved 87% accuracy; evaluated using confusion matrix and ROC-AUC curve.

Deep Learning Image Classification – *Python, TensorFlow, Keras, OpenCV*

- Built CNN model to classify dermatological defects from medical images.
- Applied dropout, data augmentation, batch normalization to reduce overfitting.
- Reached 85% validation accuracy and 92% precision on test data.
- Documented process and deployed model with OpenCV preprocessing pipeline.

Achievements

- Ranked top 5% in SmartBridge ML Internship Program based on project evaluation.
- Mentored 20+ students from 10+ colleges in AI/ML projects and coding sessions.
- Delivered a technical talk on “Cloud ML Model Deployment” at campus tech fest.

Certifications

- Data Analysis with Python Internship Certificate – Cognifyz Technologies
- Python for Machine Learning – Great Learning
- Data Analytics & Machine Learning – Independent Projects

Technical Skills

Languages: Python, SQL, Bash, HTML

Libraries/Frameworks: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Keras, OpenCV, Flask

Tools/Platforms: Git, Jupyter Notebook, Google Colab, Power BI

Concepts: EDA, Feature Engineering, Model Deployment, Machine Learning

Strengths

- Fast learner with a strong foundation in data analysis and ML.
- Skilled in translating business problems into data-driven solutions.
- Effective communicator and team collaborator with mentoring experience.