

SRI SAI SATHVIK PANTANGI

AIML Engineer

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Experience

Mayuk.ai

AI-ML Developer

08/2025

A company specializing in AI and Machine Learning solutions

- Coordinated cross-functional alignment across Engineering, Marketing, and Sales to successfully launch three key product features two weeks ahead of schedule, significantly accelerating market entry
- Automated the end-to-end data reporting pipeline utilizing Python, cutting weekly manual processing time by 94% (from 12 hours to 45 minutes) while maintaining a 99.8% data accuracy rate
- Executed deep customer segmentation analysis that informed a targeted campaign, directly generating \$500K in new revenue and driving a 25% year-over-year growth in repeat business

PPCROY TECH SOLUTIONS

Data Analyst

06/2024 - 07/2025

A tech solution company focused on data analytics

- Engineered an ML-based forecasting model that increased prediction accuracy by 25%, providing timely, reliable forecasts that refined strategic decision-making
- Spearheaded the design and deployment of custom Power BI dashboards for 200+ users, centralizing actionable insights on key company metrics and improving cross-team data-driven alignment

Innomatics Research Labs

Data Scientist

10/2022 - 06/2024

Research lab focusing on machine learning applications

- Curated and processed** a massive **1 million-image dataset**, meticulously **segmenting and balancing** the data for model preparation.
- Deployed the VGGNet19 CNN architecture for image classification, achieving 94% accuracy on test data and reducing the error rate by 16% compared to existing baseline models.
- Finalized training and validation protocols after achieving a peak test accuracy of 96.04%, validating the model's overall performance.

Ray Business Technologies

Associate Data Engineer

10/2021 - 06/2022

Managed and maintained complex datasets using **DDL** and **DML** to ensure data integrity, and delivered detailed **database reports** for Business Intelligence teams.

- Overhauled data accessibility in Microsoft SQL Server, utilizing strategic indexing on 50 GB of data to slash query execution time by 40%
- Managed complex datasets using DDL and DML commands to structure and maintain data integrity, producing detailed database reports for business intelligence teams
- Designed and constructed 50+ SSRS reports and maintained the ER diagram across 15 interrelated tables, ensuring data consistency and clear visualization of system relationships

Projects

Real Estate Data Extraction and EDA

An exploratory data analysis (EDA) project analyzing apartment prices

- Leveraged BeautifulSoup and regex to architect an end-to-end web scraping process, resulting in the creation of a robust dataset of 450 rows and 15 columns of raw property data.
- Optimized the data cleaning process to reduce manual effort by 40%, ensuring data integrity and consistency across the dataset.
- Developed compelling visualizations using Matplotlib and Seaborn to provide clear, actionable insights into price distribution, location, and key market trends.

Recognized Handwritten Digits

Implemented an algorithm capable of accurately classifying handwritten numerals and alphabets, resulting in a high rate of recognition.

- Implemented 26 images, and converted it into DataFrame which is having 500 GB, conducted EDA for data cleaning and visualization
- Expanded data into input/output, then further into train/test sets of 400 rows and columns
- Deployed Random Forest classification model on plant disease dataset, achieving 98% accuracy in identifying diseased plants and enabling earlier interventions, mitigating potential crop losses by 15%

Projects

Early Detection on Plant Disease

Early Detection on Plant Disease using OpenCV

- Segregated images into balanced dataset to prevent bias during model evaluation
- Leveraged VGGNet19 CNN architecture to train an image classification model on the train dataset
- Achieved a 94.04% accuracy on the test dataset, demonstrating the model's effectiveness, with a 16% reduction in error rates compared to baseline models

Skills

Python · Microsoft Power BI · ETL · Dataflow · Microsoft SQL Server · SSRS · EDA · Beautiful Soup · Regex · NumPy · Pandas · Matplotlib · Seaborn · Random Forest · OpenCV · Flask · Web Scraping · scikit-learn · SQL · RDBMS · Power Query · DAX · Microsoft Excel · Pivot Table · Databricks · IBM · Data Structures

Education

Gandhi Institute of Technology and Management (GITAM)

Hyderabad

Bachelor of Technology in Computer Science and Engineering

06/2017 - 08/2021

Key Achievements



HackerRank Python Challenge

Awarded 1st Place in a HackerRank Python Challenge for developing efficient, logically sound, and performed Python solutions



AI Days 2025 Participation

Participated in AI Days 2025, gaining current insights into the latest trends and practical applications of artificial intelligence technologies