

JAYA SURYA A

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PROFESSIONAL SUMMARY

Engineering graduate with hands-on experience in data science and machine learning. Proficient in Python, SQL, and Big Data tools including Hadoop and PySpark. Skilled in data preprocessing, EDA, ML model building, and ETL Tools. Strong foundation in data visualization, AWS and delivering end-to-end data solutions.

EDUCATION

Rajalakshmi Engineering College

Robotics And Automation

Sep 2020– May 2024

CGPA: 7.64

St.Joseph's mat hr sec school

Math with Computer Science

Jun 2019– May 2020

Percent: 70.5

TECHNICAL SKILLS

- **Languages and Tools:** Python, SQL, GitHub, Linux
- **Data Science and Analytics:** Pandas, NumPy, Scikit-learn, Data Analytics, Machine Learning, Model Development & Evaluation, NLP.
- **Data Operations:** EDA, ETL.
- **Data Visualization:** Power BI, Seaborn, Matplotlib, Plotly.
- **Big Data Technologies:** Apache Hadoop, PySpark, AWS

PROJECTS

GenSight – AI-Powered Analytics and Report Automation System (Ongoing)

[Link](#)

- Designing a SaaS-based data reporting platform that automates the generation of analytical reports from large-scale datasets using FastAPI, Pandas, and PySpark, integrated with Hadoop-based Data Lake and Data Warehouse storage layers.
- Integrated GPT API for intelligent decision-making and dynamic insights, alongside real-time update views using FastAPI WebSockets, enabling live tracking of pipeline stages and report statuses with contextual recommendations.
- Implementing data cleaning, aggregation, and ML-based summarization models, with final visual dashboards exported via Apache Superset and reports generated using Jinja2 templating and WeasyPrint (PDF/HTML exports).

End-to-End Machine Learning Project

[Link](#)

- Built an end-to-end machine learning pipeline with modular components for data ingestion, transformation, model training, evaluation, and deployment.
- Automated workflows with logging and exception handling.
- Worked with both structured and unstructured datasets.
- **Impact:** Reduced review effort by 50% through automation and standardization.

CERTIFICATIONS

MITx 6.86x: Machine Learning with Python-From Linear Models to Deep Learning

[Link](#)

Post Graduate Program in Data Science and Machine Learning

[Link](#)

NLP with Python for ML Essential Training

[Link](#)

Microsoft SQL Server

[Link](#)

SQL Skill Test (Advanced) | HackerRank

[Link](#)

Power BI Training

[Link](#)

AWS Essential Training for Developers

[Link](#)