

Yaswanth Pati

+1(862)-230-1268 | yaswanth.pati113@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

Saint Peter's University

Feb 2025

Master of Science, Data Science

- **GPA:** 3.9/4.0
- **Coursework:** Machine Learning, Deep Learning, Data Warehouse and Business Intelligence, Data Visualization, Applied Statistical Methods, Data Structures and Algorithms, Data Mining

SKILLS

- **Programming Languages:** Java, Python, R, SAS, JavaScript
- **Frameworks:** Node.js, Express JS, Django, Angular, Maven, Selenium
- **Python Libraries/Machine Learning:** OpenCV, Pandas, NumPy, Sci-Kit Learn, NLTK, Matplotlib, Beautiful soup, TensorFlow
- **Database Technologies:** SQL, NoSQL, MongoDB, Oracle, Snowflake, PostgreSQL, Azure Databricks
- **Visualization tools:** Tableau, Looker, Qlik, Power BI, Excel, D3.JS
- **Cloud/ Big Data Technologies:** AWS, Hadoop (HDFS and Spark), MapReduce, Scala, Azure
- **Big Data Tools:** ETL, Hadoop, Hive, Map reduce, Apache Spark, Data Mining
- **Other:** HTML5, Jenkins, Docker, GitHub, Rest API, SOAP, Postman, Advanced Microsoft Excel skills, VSCode, Linux

WORK EXPERIENCE

Elegantek LLC

Apr 2025 - Present

Data Scientist

Novi, Michigan

- Developed and deployed machine learning models using Random Forest and logistic regression, improving forecasting accuracy by 22% and driving data-driven business decisions.
- Built interactive dashboards in Tableau and Power BI, reducing manual reporting by 40 hours per month and enabling faster insights across operational teams.

Boven Technologies

Mar 2023 - Feb 2024

Data Scientist

Remote, USA

- Constructed predictive models using Machine learning algorithms to forecast business trends, achieving up to 22% improvement in prediction accuracy, and deployed solutions via Flask APIs integrated with cloud services.
- Conducted NLP analyses on large text datasets, including sentiment analysis and summarization, uncovering insights that enhanced decision-making processes and boosted customer engagement strategies by 15%.

Infosys Limited

Jan 2021 - Jul 2022

Data Analyst

Hyderabad, India

- Cleaned and analyzed raw datasets using Python and SQL, identifying key trends that drove strategic decisions and boosted operational efficiency by 30%, while streamlining data pipelines to save 20 hours per month in processing time.
- Designed interactive dashboards integrating SQL with Tableau and Power BI to visualize statistical insights and evaluate business hypotheses, collaborating in Agile teams to accelerate project delivery by 30%.

Lance Soft Engineering Pvt.Ltd

Jan 2019 - Dec 2020

Jr. Data Analyst

Bangalore, India

- Established predictive models using machine learning algorithms, achieving a 20% improvement in operational efficiency while formulating testable hypotheses for further analysis.
- Conducted comprehensive data preprocessing and feature engineering on large datasets, enhancing model accuracy by 15%

ACADEMIC PROJECTS

Multi-Model Text Summarization Using NLP

Feb 2025

- Developed an NLP-based text summarization system using BART, T5, and Pegasus, integrating TF-IDF, BERT Cosine, and Word2Vec for output evaluation, and built a Flask API with an interactive UI for real-time user input and summary generation.

Route Planning for sensitive populations

Nov 2024

- Innovated a mapping tool using Azure Maps API to display live pollutant data and guide users to cleaner routes, with air quality and climate visualizations reducing respiratory risks by 10% and engineered voice-enabled inputs that cut query times from two minutes to under fifty seconds.

Wildfire Prediction Using ML

Nov 2024

- Devised a predictive model using MODIS and VIIRS satellite data, achieving over 95% wildfire classification accuracy, and built a confidence-level model leveraging brightness, FRP, and track dimensions, reaching 97% accuracy with a Random Forest algorithm.

CERTIFICATIONS

- **Generative AI:** LinkedIn (2025)
- **Databricks Fundamentals:** Databricks (2025)
- **Databricks Generative AI Fundamentals:** Databricks (2025)
- **SQL Certification:** Frontlines Edu Tech Private Limited
- **Google Data Analytics:** Coursera (Jun 2022)