

SAJITHA J

Kochi,Kerala | Email | +91 7736248876 | LinkedIn

SUMMARY

I am a passionate Data Analyst with expertise in machine learning, Python, SQL, and data visualization. I specialize in transforming raw data into actionable insights to solve complex business problems. I have experience implementing predictive models to optimize processes and drive decision-making. I am passionate about leveraging my skills in real-world projects to create impactful solutions.

EDUCATION

Python for Data Science

Luminar Technolab, Kochi, Kerala

May 2024– Dec 2024

Bachelor Of Computer Application

College Of Applied Science, Mavelikara

Aug 2021– April 2024

EXPERIENCE

Data Science Intern, Luminar Technolab, Kochi

Feb 2025 – Present

- Developed and deployed machine learning models to solve business challenges, leveraging data-driven solutions.
- Built a real-time object detection system using YOLO and Flask, enabling web-based live detection.
- Designed and optimized a wheat disease prediction model using CNN, improving classification accuracy through feature engineering and hyperparameter tuning.

PROJECTS

Wheat Disease Prediction

- Built a deep learning model using CNN for wheat disease classification from image data.
- Deployed via Flask for real-time web-based predictions..
- **Tech:** Python, TensorFlow/Keras, OpenCV, Flask, HTML/CSS.

Real-Time Object Detection Using YOLO

- Developed a real-time object detection system using YOLOv8.
- Integrated with Flask for web-based live detection and OpenCV for real-time image processing.
- Integrated the system into a user-friendly web application, allowing farmers and researchers to diagnose wheat diseases efficiently.
- **Tech:** Python, YOLOv8, OpenCV, Flask, HTML/CSS.

TECHNICAL SKILLS

Languages: Python, SQL, Java, C, C++

Machine Learning and Deep Learning: Scikit-learn, TensorFlow, Keras, YOLO, OpenCV

Web and Visualization: Power Bi, Matplotlib, Seaborn

Tools: Google Colab, VS Code, PyCharm

ACHIEVEMENTS

- Completed **Earned ASAP Certification** in career orientation and job readiness.
- Certified in **Python for Data Science**, showcasing expertise in data analysis, wrangling, and visualization.
- Certified in **SQL Relational Databases 101**, demonstrating proficiency in querying and managing databases.