

# SAJITHA J

Kochi,Kerala | Email | +91 7736248876 | LinkedIn

## SUMMARY

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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

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### 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

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### 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

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### 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

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**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

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- 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 and Relational Databases 101**, demonstrating proficiency in querying and managing databases.