

ASHWIN PRAKASH

📍 Kochi,Kerala ✉ Email ☎ +91 7356174570 in LinkedIn

SUMMARY

I am a Data Explorer with expertise in machine learning, Python, SQL, and data visualization. Skilled in analyzing complex datasets, building models, and driving data-driven decisions in dynamic environments. Data Science enthusiast with expertise in machine learning, deep learning, and data visualization. Experienced in developing predictive models, conducting exploratory data analysis (EDA), and building real-time AI applications. Passionate about leveraging data-driven insights to solve real-world problems...

EDUCATION

Python-Data Science

Luminar Technolab, Kochi, Kerala

May 2024 – Dec 2024

Bsc.Computer Science

College Of Applied Science, Mavelikara

Aug 2021 – April 2024

EXPERIENCE

Data Science Intern

Luminar Technolab

May 2024 – Present

- Developed and deployed machine learning models to improve the accuracy of predictions and forecasts.
- Used Python (Pandas, NumPy, Scikit-learn) for data wrangling and statistical analysis, while creating dynamic visualizations and interactive dashboards in PowerBI to generate insights for decision-making.
- Conduct exploratory data analysis (EDA) to uncover patterns, correlations, and insights.

PROJECTS

Wheat Disease Prediction

- Built a CNN model with TensorFlow and Keras for wheat disease classification, improving early detection accuracy.
- Applied OpenCV for feature extraction and data augmentation to enhance model performance.
- Deployed a Flask-based web app, integrating Pandas, Matplotlib, and Seaborn for visualization.

Real-Time Object Tracking

- Developed a YOLOv8-based real-time object detection system using OpenCV and Python.
- Optimized detection accuracy and speed via model fine-tuning with Ultralytics YOLOv8 and PyTorch.
- Deployed a Flask web app for real-time object tracking and user interaction.

TECHNICAL SKILLS

Programming Languages: Python, SQL, C, Java, HTML/CSS

Machine Learning and Deep Learning: Scikit-learn, TensorFlow, Keras, PyTorch, NLP

Data Visualization: Matplotlib, Seaborn, Power BI

Tools and IDEs: Google Colab, PyCharm, VS Code

ACHIEVEMENTS

- **CERTIFICATIONS:** ASAP Certification, Python For Data Science from Cognitive Class, SQL and Relational Databases 101 from Cognitive Class