

MOHAMMED IRFAN

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Location: Kochi, Kerala

SUMMARY

I am a dedicated Data Analyst with a focus on machine learning and deep learning techniques. Currently contributing at Luminar Technolab, I leverage my skills in Python and SQL to analyze complex datasets and develop data-driven models. My strong foundation in data analytics workflows and problem-solving, combined with leadership experience in organizing technical events, positions me as a proactive professional ready to drive insights and inform decision-making.

EDUCATION

- Jyothi Engineering College** Kerala, India
Bachelor of Technology- Computer Science; CGPA: 7.0 July 2021- April 2025

SKILLS SUMMARY

- Languages:** Python, SQL
- Frameworks:** Scikit, NLTK, TensorFlow, Keras, Numpy, Pandas, Matplotlib, Seaborn
- Skillset:** Machine learning, Deep learning, SQL, Power BI, Excel
- Platforms:** Vscode, colab, MySQL
- Soft Skills:** Leadership, Event Management, Public Speaking, Time Management

EXPERIENCE

- Data Analyst** Kochi, Kerala
Luminar Technolab (Full-time) May 2025 - present
 - Worked with **multiple types of structured and unstructured datasets** to perform data cleaning, preprocessing, and analysis.
 - Applied **Machine Learning algorithms** including **KNN, Naive bayes, SVM, Decision Tree, Ensemble Models and K-Means clustering** for prediction and pattern identification .
 - Gained hands-on exposure to **Deep Learning models** such as **ANN and CNN** for classification and feature learning tasks.
 - Assisted in building and evaluating **data-driven models** to support analytical insights and decision-making.
 - Developed a strong understanding of **data analytics workflows**, model performance evaluation, and problem-solving techniques

PROJECTS

- Chlorine Detection in Water Using Image Processing:** Developed an image processing system using Convolutional Neural Networks (CNN) to detect and classify chlorine presence in water samples, aiming to support environmental monitoring and water quality control.
- Whey Guard:** whey protein quality analyzer that uses machine learning to evaluate supplement authenticity and quality. By analyzing nutritional composition and key chemical features, it helps identify adulteration, assess protein purity, and ensure product reliability for safer consumer choices.
- AQI Analysis:** Built an interactive Power BI dashboard to analyze AQI trends across Indian cities using Power Query and DAX. Visualized pollutant levels and identified patterns, high-risk cities, and temporal trends to support decision-making.

VOLUNTEER EXPERIENCE

- Event lead of Hackathena Hackthon**
Conducted 48 hours Hackathon at Jyothi Engineering college, Cheruthuruthy, Thrissur Apr 2024, Feb 2025
- Galactic Team Member at Nasa International Space apps challenge**
Organized event reaching over 1000+ Participations October 2023
- Nss Unit-140 Leader**
Conducted Community works, awareness class and part of Kcf of housing scheme Jan 2023 - December 2024
- Chairman of CESA JEC**
Organized and Conducted Technical events and workshops June 2024 - June 2025