

Jainam Ranninga

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Skills

Languages: Python, Power-BI, SQL, Advance Excel, HTML5, CSS, JavaScript, jQuery, AWS

Work Experience

KICT, Ahmedabad
Data Scientist

March 2025 - Present

- Successfully managed and executed diverse projects, showcasing strong leadership, planning, and organizational skills.
- Adapted to leading various types of projects, demonstrating flexibility and the ability to tackle complex challenges.
- Addressed project-specific challenges and implemented innovative solutions to achieve desired outcomes.
- Utilized Python, SQL, Advanced Excel, and Power BI to analyse complex datasets, identify trends.

Education

Indus University 2022-2026 B.Tech in Computer Science & Engineering **5th Semester - SGPA: 8.48/10**, Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Data Science, Web Development, DBMS.

Project Work

Disaster Information Aggregation Software (2025):

- Designed and developed a software solution to identify disasters worldwide, providing real-time alerts tailored to the local language.
- Built the software using Python for back-end processing and HTML, CSS, and Bootstrap for a user-friendly front-end interface.
- Led the design and development phases of the project, showcasing innovative thinking and cross-functional Collaboration.

KICT Responsive Website (2025):

- Designed and developed a fully responsive website using HTML, CSS, and Bootstrap, ensuring optimal performance across mobile, tablet, and desktop devices.
- Applied modern UI/UX design principles to create clean, intuitive, and visually engaging layouts.
- Enhanced user interactivity with dynamic features using JavaScript and jQuery, improving overall user engagement and functionality.
- Implemented responsive navigation menus and interactive content sliders to enhance usability and visual appeal.
- Collaborated on design mock ups and wireframes before implementation to align with user-centred design goals.

Agrofood CO₂ Emission Data Analysis (2025):

- Analysed global agro food CO₂ emissions across categories such as forest fires, food processing, and transportation using a real-world dataset.
- Visualized key insights through bar charts, pie charts, and histograms, identifying land-use change and industrial food processing as top emission contributors.
- Performed Means clustering to group regions with similar emission behaviours, revealing distinct environmental impact zones.
- Found a moderate correlation between average temperature and CO₂ emissions, with emission hotspots in regions with slightly above-average temperatures.

Air Quality Data Analysis (2025):

- Analysed air quality dataset using Python, Pandas, and Matplotlib to explore frequency distributions, trends, and AQI categories.
- Built a Linear Regression model to predict AQI based on pollutants like CO, NO₂, PM_{2.5}, and humidity.
- Implemented KNearest Neighbors for AQI classification and KMeans clustering to detect pollution patterns.

Awards and Certificates

- **Hackathon:** Participated In INDUS UNVIERSITY HACKATHON
- **Python Programing:** Completed Python Programming and Obtained Grade A.