

Yukti Garg

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PROFESSIONAL SUMMARY

- Computer Science student with a strong data analytics and business intelligence foundation.
- Skilled in SQL (joins, aggregations, window functions, query optimization).
- Experienced in building machine learning models (classification, regression) and dashboards using Power BI.
- Proficient in Python for data cleaning, preprocessing, and predictive modeling.
- Actively seeking data-driven roles to apply analytical expertise to solve real-world problems.

EXPERIENCE

Orangebits Software Technologies Pvt. Ltd.

Frontend Developer Intern | Aug 2024 – Dec 2024 | Remote

- Developed dynamic web pages for a School Management System.
- Integrated Java-based APIs and ensured seamless frontend-backend communication.
- Collaborated cross-functionally to deliver timely feature updates.

PROJECTS

Online Courses Analysis Dashboard [GitHub](#)

- Built an **interactive Power BI dashboard** for analyzing course trends from EdTech websites.
- Cleaned and transformed raw data using **Power Query**; designed category-wise visual insights.
- Used **sliders** and **filters** to compare course views, languages, and skills across categories.
- Analyzed instructor ratings and course duration patterns for user engagement optimization.

Tech Stack: Power BI, Data Modeling, Power Query, Dashboard Design

SQL Business Case Studies [GitHub](#)

- Solved real-world problems: sales analysis, customer segmentation, marketing impact.
- Wrote optimized SQL queries using **joins, aggregations, CTEs, and window functions**.

Tech Stack: SQL

Forest Fire Risk Prediction [GitHub](#)

- Developed an end-to-end **regression model** using the Algerian Forest Fires dataset to predict the **Fire Weather Index (FWI)**, a key indicator of wildfire risk.
- Performed **comprehensive Exploratory Data Analysis** to uncover seasonal and regional fire patterns across the Brjaia and Sidi-Bel regions.
- Visualized **monthly fire distribution** using grouped bar charts and pie plots to highlight the frequency and classification of fire events.
- Achieved a **Mean Absolute Error of 0.5468** and an **R² Score of 0.9848** metrics.

Tech Stacks: Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Jupyter Notebook

TECHNICAL SKILLS

Data & Analytics: Python, Pandas, NumPy, Scikit-learn, Matplotlib, Data Visualization, Machine Learning, Data Analysis, Feature Engineering, Model Evaluation, Statistics, Power BI

Programming: Java, Data Structures & Algorithms

Web & Frontend: HTML, CSS, JavaScript, React JS, Tailwind CSS

Tools/Platforms: Jupyter Notebook, Git, Microsoft Excel, Word, PowerPoint

Databases: SQL (MySQL, PostgreSQL, SQLite)

Soft Skills: Effective Communication, Team Collaboration, Problem Solving, Strategic Vision

EDUCATION

Dr. A.P.J. Abdul Kalam Technical University

Bachelor in Computer Science and Engineering – 8.5/10

Ghaziabad, Uttar Pradesh

2022-Present

Dewan Public School

XII (CBSE) - 95.6%

Hapur, Uttar Pradesh

2022

X (CBSE) - 91.1%

2020