



Jagmohan Jakhar

Embedded Software Engineer • Data Science • Machine Learning Engineer

University Institute of Engineering & Technology (UIET MDU) M. D. University • 2026 Pass out



Projects

Automatic street light control system that turns ON the light during darkness (night) and OFF during daylight

- Developed an automatic street light control system that turns ON the light during darkness (night) and OFF during daylight, eliminating the need for manual operation.
- Used a Light Dependent Resistor (LDR) as the main sensor to detect ambient light levels. When the surrounding light falls below a certain threshold, the circuit automatically activates the lights.
- Used Arduino to fine-tune sensor threshold and control logic. This project helps in energy conservation and can be implemented in rural/urban street lighting systems.

Skills Developed: BASIC, Object-Oriented Design, Automation testing

Covid-19 data_analysis



- The goal of this project is to analyze real-world COVID-19 data to uncover trends, identify top-affected countries, and visualize the spread over time. It demonstrates data cleaning, aggregation, and visualization using Python libraries like pandas and matplotlib.
- The process involves loading the COVID-19 dataset, cleaning and formatting the data, and aggregating key statistics by country. It then visualizes trends using line and bar charts with Python libraries like pandas, matplotlib, and seaborn.
- The project features include data cleaning, date formatting, and handling missing values. It also aggregates total confirmed, recovered, and death cases by country, identifies top-affected countries, and visualizes trends through informative graphs.

Skills Developed: Python, CSV, Data Analysis, Github

Tagline

Electronics and Communication Engineering Student | Embedded Systems & Python Enthusiast | IAM Certified by TCS

Skills

Python | C/C++ | Excel | Javascript | Communication skills

Education

University Institute of Engineering & Technology (UIET MDU) M. D. University, Rohtak, near Delhi bypass, Maharshi Dayanand University, Rohtak, Haryana
B.Tech, Electronics & Communication Engineering (ECE) | 6.7 CGPA

2022 - 2026

Certifications & Courses

ESG certificate

- Understanding and analysing client needs
- Understand and analyse the client
- Assess sustainability solutions through a comparative analysis
- Present a fitment matrix to the client

June 2025 | [Certificate Link](#)

IAM certificate

- Identity and access management (IAM) fundamentals
- IAM strategy assessment
- Crafting custom IAM solutions
- Platform integration

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