Irika Ishani

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About Me

Detail-oriented and analytical Electrical Engineering student with strong proficiency in Python and data analysis. Skilled in problem-solving, data visualization, and extracting useful insights from data. Passionate about building finance-related projects and predictive models using APIs. Eager to contribute to data-driven decision-making in a dynamic business environment.

Experience

Strategy & Data Research Intern *Certificate* ⬈   *Remote*
Magnocode Tech Private Limited   *Sep 2024 – Mar 2025*

- Led the DPIIT startup application, compiling and structuring documentation that secured certification
- Researched and applied for AWS Activate, obtaining $ 5,000 in cloud credits to power our AI infrastructure.
- Conducted market analysis of 15+ astrology platforms, shaping product positioning and featureset.
- Co-designed tiered pricing strategies, freemium hooks, and conversion triggers.
- Drafted initial data instrumentation plan for user behavior tracking.

Electrical Engineering Intern *Certificate* ⬈   *Singrauli, MP*
MPPKVVCL   *July 2024 – Aug 2024*

- Conducted pre-commissioning tests on equipments at several 33/11 kV power transformer stations.
- Collected and analyzed performance data (voltage, current) and identified anomalies.
- Explored MDM, MDMS, and SHMS tools for intelligent meter data management.

Projects

Indian Stock Option Analyzer   *github.com* ⬈

- Developed a real-time options analysis tool using Upstox API and Grok API to evaluate market metrics like IV and Theta.
- Stack: Python, Upstox API, Grok API, Matplotlib, Streamlit

Indian Market Indices Dashboard   *github.com* ⬈

- Developed and deployed a live dashboard visualizing Nifty, Bank Nifty , heatmaps and other related indices in the dashboard
- Stack: Streamlit, Plotly, Pandas.

IoT based Smart Plant Monitoring,Watering and Controlling System   *github.com* ⬈

- Designed and deployed an IoT system to monitor soil moisture, temperature, and humidity, automating plant irrigation using sensor feedback.
- Stack: Arduino Nano, DHT11, Soil Moisture Sensor, Python, Streamlit, Serial Communication (pySerial)

SKILLS

Languages: C++, C, Python, SQL, JavaScript

Data Analysis .& Modeling: Exploratory Data Analysis, Statistical Modeling, Hypothesis Testing

Tools/Concepts: Git/GitHub, Tableau, Kaggle, AWS, TensorFlow, Scikit-learn,spaCy, Model Evaluation

Education

B.Tech EE (SGPA: 7.64)   *August 2022 – July 2026*
School of Engineering & Technology, Central University of Haryana