



## AI & IT Solutions

### DATA ANALYST

#### PROJECT 1 - Monthly Temperature Analysis

**Description** - Collect historical temperature data, clean the data, perform EDA to identify monthly trends and outliers, visualize the results, and create a dashboard to monitor temperature changes.

**Dataset :** [Temperature Dataset](#)

#### PROJECT 2 - House Price Analysis

**Description** - Predicting House Prices at (any country) Collect housing data, clean the data, perform EDA to understand factors affecting house prices, visualize the results, and create a dashboard to predict house prices.

**Dataset :** [House Prices Dataset](#)

**NOTE:** You can refer any dataset you want or use a dataset from online sources, or create a custom dataset tailored for this project.

### Preferred Data Analysis Tools:

R, SAS, Scikit-learn, TensorFlow, Keras

### Preferred Data Visualization Tools:

Matplotlib, Seaborn, ggplot2, Tableau, Power BI, Looker

Note: You can use any tools you know.

### GitHub Repository Maintenance:

(create separate repository for each project)

- Create Host Repository using GitHub (Make it as public after project was completed)
- Proper readme file you have to maintain for any project development.
- requirement.txt file is important in your repo.
- Add. gitignore file
- Create setup.py to packaging, distributing, and installing the project.
- You need to commit file every time with related message for each step of development
- Maintain version control for different releases

### Submission Requirements:

we will be sent submission link through mail

Note: Submissions will be accepted only via URL

### Source code:

You have to submit your code by GitHub repository URL in your final submission.

### Project Sample Video:

1. Upload your project sample video in LinkedIn as post that video for at least 2mins is required
2. Tag ZROCK (@zrock-intern) in this post caption.

### Evaluation Metrics:

- ✓ We will expect optimized solution always
- ✓ If we detect that you have merely cloned an existing project's code, your submission will be terminated
- ✓ Additionally, ZROCK GOLD have +1 review and ZROCK ELITE have +3 reviews from your first submission so, don't worry about your mistakes.