Zenith Bank — Workforce Forecasting Generated: 2025-10-30 16:06:33Z

## Step-by-step (Windows Command Prompt):

- 1. Download and extract the project ZIP to a folder, e.g. C:\Users\<You>\Downloads\zenith workforce forecasting
- 2. Open Command Prompt (cmd.exe).
- 3. Navigate to the project folder:

cd %USERPROFILE%\Downloads\zenith\_workforce\_forecasting

4. Create virtual environment:

python -m venv venv

5. Activate it:

venv\Scripts\activate

6. Install dependencies:

pip install -r requirements.txt

Note: If 'prophet' fails to install on Windows, either follow Prophet's Windows install instructions or use the Naive projection fallback in the notebook/app.

7. Run the Jupyter notebook (optional): jupyter notebook notebooks\workforce forecast.ipynb

8. Run the Streamlit app: streamlit run app.py

## Files of interest:

- data/workforce\_data\_custom.csv (customized historical data)
- forecast.csv (generated forecasts)
- forecast summary.xlsx (Excel summary)
- dashboard screenshot 1.png (line chart)
- dashboard screenshot 2.png (forecast bar chart)