Sure! Here's a clear breakdown in simple bullet points, divided into **“What we’ve done”** and **“What we’ll do next”** – perfect to save in your doc. ✅

**✅ What We’ve Done So Far**

1. **Created a Snowflake Account**
   * Signed up and logged into Snowflake.
   * Region: us-east-1 (AWS Northern Virginia).
2. **Created a Database and Warehouse**
   * Database: my\_cortex\_demo
   * Warehouse: my\_wh (X-Small)
3. **Created and Populated a Table**
   * Table: SALES
   * Inserted sample data with region, sales amount, and sale date.
4. **Uploaded Schema YAML File to Amazon S3**
   * Created S3 bucket: my-cortex-schema-bucket-2025
   * Uploaded schema.yaml file containing the structure of SALES table.
5. **Generated SQL using Cortex + LLaMA 3 Model**
   * Used this Snowflake Cortex SQL:
   * SELECT SNOWFLAKE.CORTEX.COMPLETE(
   * 'llama3-8b',
   * 'Context URL: https://my-cortex-schema-bucket-2025.s3.us-east-1.amazonaws.com/schema.yaml\nInstruction: Write a SQL query to calculate total sales in Q1 2024.'
   * ) AS generated\_sql;
6. **Executed the Generated SQL**
   * Query:
   * SELECT SUM(SALES\_AMOUNT) AS TOTAL\_SALES
   * FROM SALES
   * WHERE SALE\_DATE BETWEEN '2024-01-01' AND '2024-03-31';
7. **Summarized Result Using Cortex**
   * Used CORTEX.SUMMARIZE() to get a user-friendly summary.
8. **Created a Slack Workspace**
   * Name: SnowflakeBot Workspace
   * Started free trial with full features.

**🚀 What’s Next (Slack Bot + Snowflake)**

1. **Create a Slack App**
   * Define app name and bot permissions.
   * Enable slash commands or message events.
2. **Build a Flask App (Backend)**
   * Use Python + Flask to receive Slack messages.
   * Extract user query and process it.
3. **Connect Flask to Snowflake**
   * Use snowflake-connector-python to run queries based on user input.
4. **Use ngrok to Expose Flask App**
   * Share ngrok HTTPS URL with Slack to receive messages.
5. **Respond to Slack from Flask**
   * Send results (SQL output or summaries) back to the Slack channel.
6. **Test End-to-End**
   * Example: Ask in Slack “What were total sales in Q1 2024?”
   * Bot replies with summary.
7. *(Optional Future Step)*: Move the bot to **AWS Lambda** for a serverless setup.

Would you like me to export this summary into a .docx or .txt file for download?