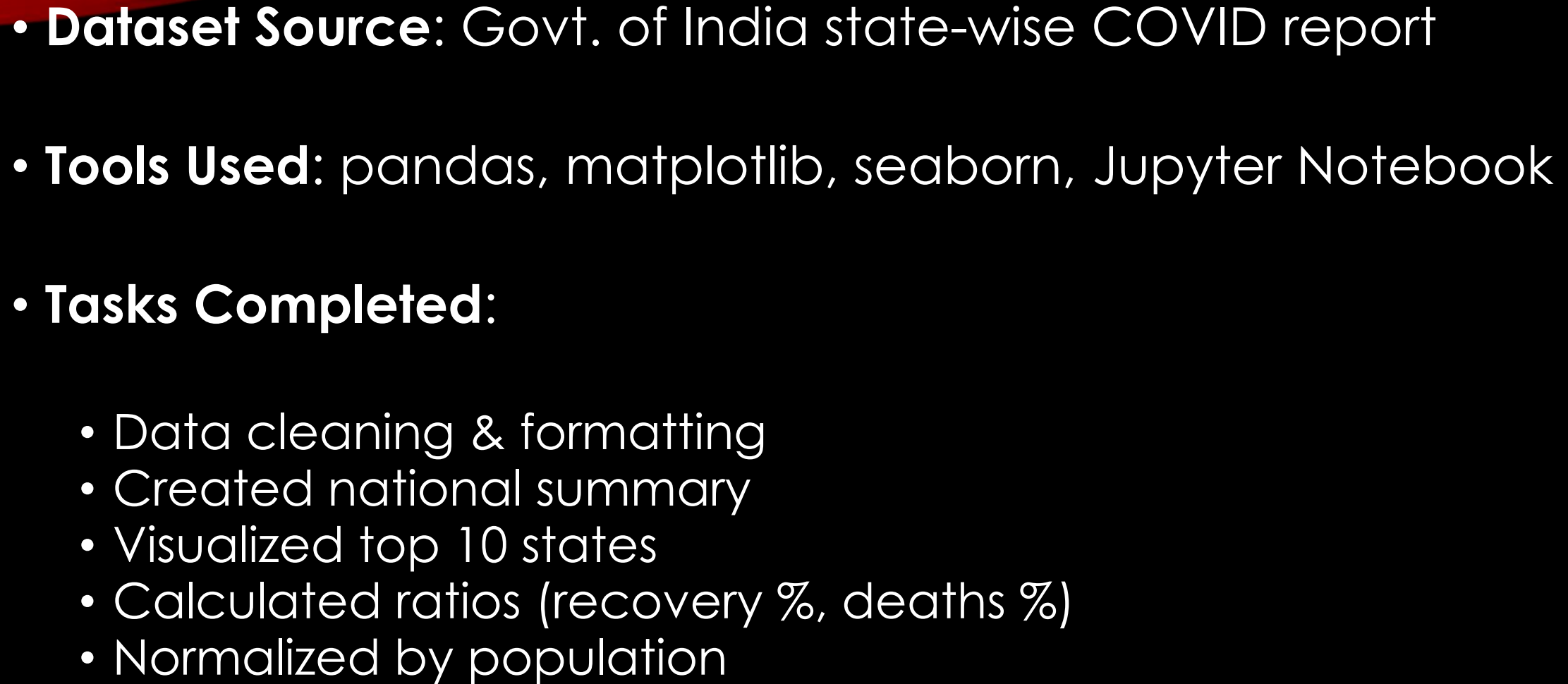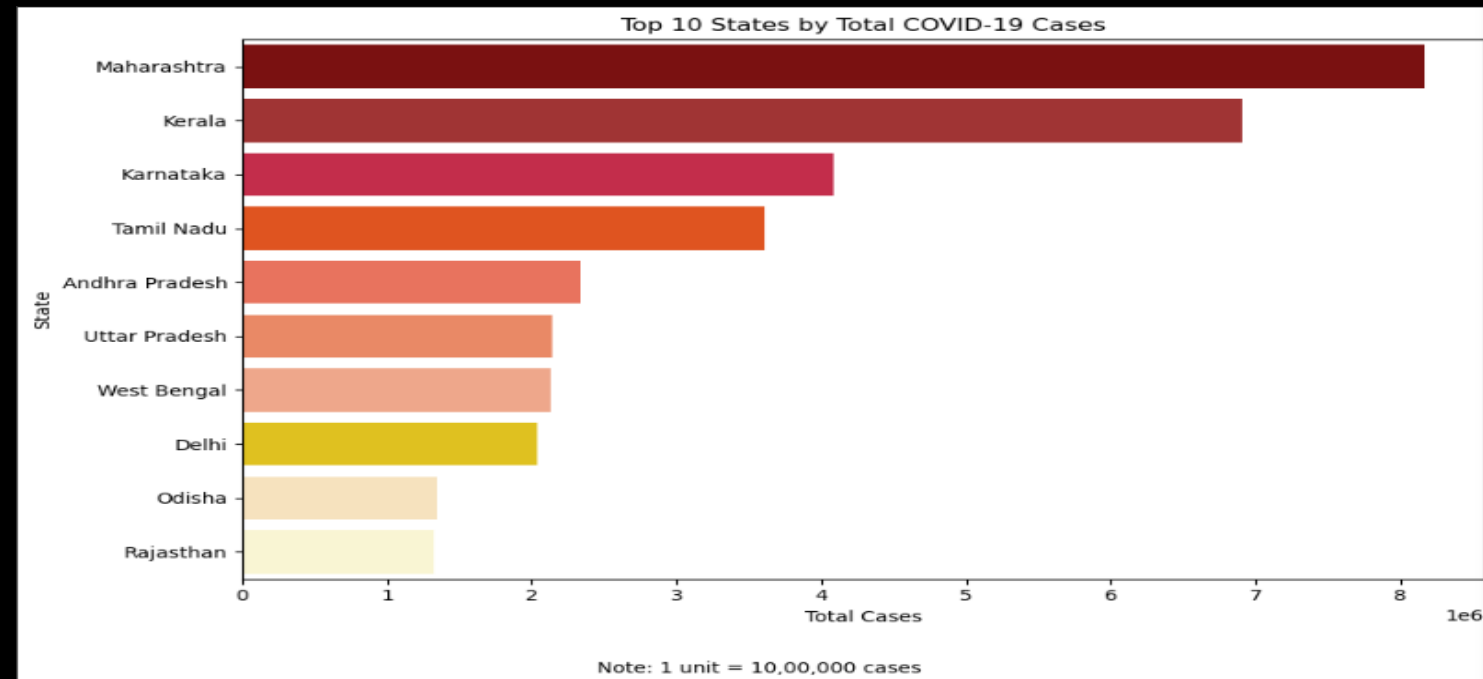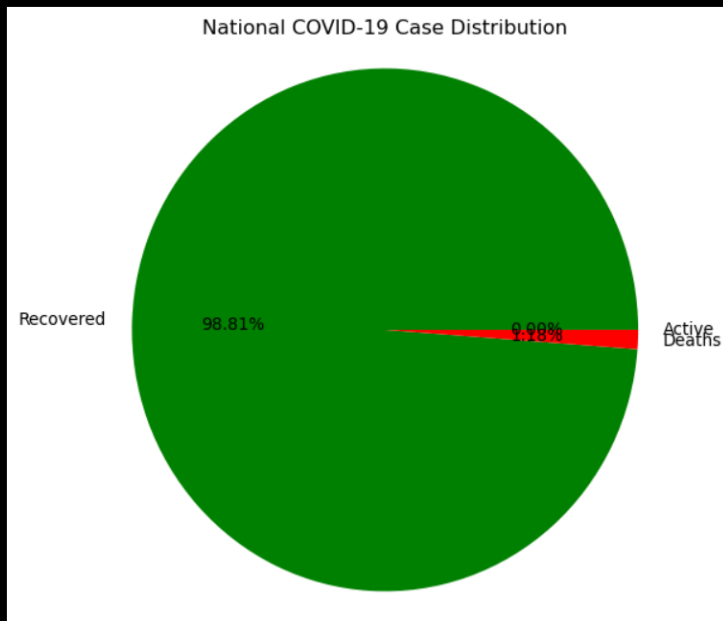# COVID-19 INDIA DATA ANALYSIS USING PYTHON

Analyzed real-time COVID-19 data across Indian states.
Used Python for cleaning, analysis, and visualization.
Focused on top states, case ratios, and population impact.

Name : Karan Shivaji Indrale

- **Dataset Source**: Govt. of India state-wise COVID report

- **Tools Used**: pandas, matplotlib, seaborn, Jupyter Notebook

- **Tasks Completed**:

  - Data cleaning & formatting
  - Created national summary
  - Visualized top 10 states
  - Calculated ratios (recovery %, deaths %)
  - Normalized by population

- **Insights** :

- Maharashtra, Kerala had highest cases
- Many states had recovery > 90%
- Cases per lakh varied widely

National COVID-19 Case Distribution

Recovered 98.81% | 0.00% 1.18% Active Deaths

Top 10 States by Total COVID-19 Cases

Note: 1 unit = 10,00,000 cases

- What I Learned:
  - How to clean real data
  - Building custom visualizations
  - Deriving insights from public health data
- Outcome: Added this as a portfolio project (PDF + GitHub)