

# Software and Tools Overview

## Development Frameworks

- **Python:** Primary programming language
- **Flask:** Lightweight web application framework

## Integrated Development Environment (IDE)

- **Visual Studio Code:** Source-code editor

## Database Management

- **MySQL:** GUI for MySQL  
or
- **MongoDB Compass:** GUI for MongoDB

## Extra Tools Used Once During Course

### Data Analysis and Scientific Computing

- **Jupyter Notebook:** Live code, equations, visualizations, narrative text
- **Anaconda:** Package and environment management
- **Google Colab:** Cloud-based Jupyter notebook environment