

All Important Tools for *Machine Learning*

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Programming Languages

- Python
- R

Data Manipulation and Analysis

Tools

- Jupyter Notebooks
- Apache Spark
- Dask

IDEs

- JupyterLab
- PyCharm
- RStudio

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Version Control

- Git
- GitHub

Cloud Platforms and Tools

- Google Cloud Platform (GCP)
- Amazon Web Services (AWS)
- Microsoft Azure

Libraries and Frameworks

• Python Libraries

- NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Keras, PyTorch, SciPy, NLTK, spaCy, OpenCV

• R Libraries

- caret, ggplot2, dplyr, randomForest

Data Visualization Tools

- Tableau
- Power BI
- Plotly

Model Deployment Tools

- Docker
- Kubernetes
- Flask
- Django

Other Important Tools

- MLflow
- Airflow
- TensorBoard