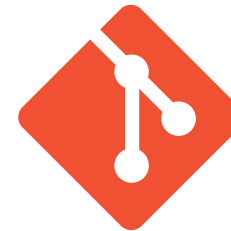
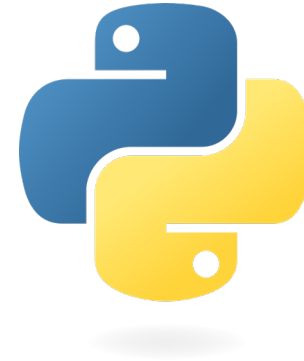




The Tools for AI



# AI Development Tools



# Jupyter



A screenshot of a JupyterLab interface. The left sidebar shows a file explorer with a list of files and folders, including 'images', 'presentations', and several notebooks. The main area displays a notebook titled 'Practicum AI: Transformers - Emotion Detector'. The notebook content includes a code cell with a Python script, a text section titled 'Text Classification', and a tweet image. The bottom of the notebook shows a flow diagram with four steps: 'Datasets', 'Tokenizers', 'Transformers', and 'Datasets', each with a corresponding icon and a brief description. The status bar at the bottom indicates the current file is '02.1\_emotion\_detector.ipynb' and the kernel is 'PyTorch-1.7.1'.



# git and GitHub.com



- Version control software tracks
  - Code
  - Datasets
  - Models
  - More
- Fosters reproducibility





## Access NVIDIA through our Cloud Partners

 Alibaba Cloud



 BAIDU AI CLOUD

 Google Cloud

 IBM Cloud

 Microsoft  
Azure

 ORACLE  
Cloud

 Tencent Cloud





# How do you access these resources?

<https://atlas-ood.hpc.msstate.edu/>

The screenshot shows the MSU OnDemand web interface. At the top is a dark red navigation bar with the following links: MSU OnDemand, Files, Jobs, Clusters, and Interactive Apps. To the right of these links are icons for help, user profile, and a share button. Below the navigation bar is the MSU logo, which consists of a large 'M' with 'STATE' written across it. To the right of the logo is the text 'MISSISSIPPI STATE UNIVERSITY™ HIGH PERFORMANCE COMPUTING COLLABORATORY'. Below this text is a paragraph: 'OnDemand provides an integrated, single access point for all of your HPC resources.' At the bottom of the main content area is the text 'Message of the Day'.

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# High-Performance Computing





# HiPerGator AI





# More than a GPU

