

Installation Instructions

Prerequisites

- Python 3.6 or higher
- pip (Python package installer)
- Virtualenv (optional but recommended)

Setup Steps

1. **Clone the Repository:**

```
git clone https://github.com/yourusername/kinase-prediction-app.git
cd kinase-prediction-app
```

2. **Create a Virtual Environment (Optional but Recommended)**

```
python3 -m venv venv
source venv/bin/activate # On Windows: venv\Scripts\activate
```

3. **Install Dependencies: Ensure that you have a requirements.txt file in the root directory, then run:**

```
pip install -r requirements.txt
```

4. **Required Files: Make sure the following files are in place:**

- data/Protein_Data.tsv data/all_kmers.pkl
- models/kinase_model.pkl
- app/app.py and
- app/templates/index.html