

WORK EXPERIENCE

Python Developer

An Analytics Company [Confidential]

08/2018 - Present

Responsibilities

- Develop Flask REST API.
- Write Machine Learning scripts in Python.
- Do backend Django Development.
- Provide code security.
- Do offline deployment at the client site.

SKILLS

Python

Flask

REST API

ETL

Machine Learning

Pandas

NumPy

Scikit-learn

PyTorch

Django

SQLAlchemy

MongoDB

Redis

Git

Predictive Analytics

Computer Vision

Linux

OOPS

PyInstaller

PROJECTS

A Business Intelligence Tool

- Made modular Flask REST APIs for ETL process for 6 filetypes and 5 databases and our destination source was MongoDB.
- Wrote Machine Learning API's to add Regression, Time Series Analysis & Classification capabilities to this tool.
- Used TwistedWeb as its production server to handle large traffic.
- Made stand-alone executable for its deployment using PyInstaller.
- Technology: Python, Flask, Blueprints, PyMongo, SQLAlchemy, NumPy, Pandas, Scikit-learn, Prophet, PyInstaller, TwistedWeb.

A Flight Monitoring Tool

- Made Flask REST API to monitor flights' features for any change.
- Made Flask REST API to detect flight path deviation.
- Technology: Python, Flask, NumPy, Pandas, PyMongo, Redis, Shapely, PyProj.

A Land Monitoring Tool

- Developed Flask REST API to detect any change in satellite images of a place taken at different times.
- Developed Flask REST API to detect objects in the given satellite image.
- Technology: Python, Flask, Redis, NumPy, OpenCV, SciPy, Skimage, PyTorch.

A Data Cleaning Tool

- Made a script to clean the data according to user input during the ingestion process.
- Technology: Pandas.

A Bug Tracking Tool

- Worked on the backend of this Django project.
- Technology: Django.

EDUCATION

Bachelor of Technology - ECE

HMR Institute of Technology and Management, Delhi

2014 - 2018

75.66%

12th

Nutan Vidya Mandir, Delhi

2011 - 2013

76.80%