Purna Srivatsa

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+91 8008397842

EDUCATION

BITS PILANI
BE Electronics and Communication 2015-19 | Hyderabad, IN
BITS Pilani Hyderbad Campus

LINKS

Github:// purna-srivatsa
LinkedIn:// purna-srivatsa
Quora:// purna-srivatsa

COURSEWORK

UNDERGRADUATE
Machine Learning
Object Oriented Programming
Data Structures and Algorithms
C Progrmming
Database Management Systems
Data Mining

SKILLS

PROGRAMMING
Python • Python-Flask • Java • C++ • Matlab • MySQL • NLP • OpenCV

Familiar
RestAPI • AWS • SAS • PostGreSQL • HTML • R

EXTRACURRICULAR ACHIEVEMENTS

- Certification - Software development processes and methodologies offered by University of Minnesota on Coursera - 94%
- Certification - Agile software development offered by University of Minnesota on Coursera - 94%
- Certification - Neural Networks and Deep learning Course offered by Stanford on Coursera - 93%
- Certification - Build Web apps with python and Flask - Coursera

EXPERIENCE

Deloitte USI | Data Scientist
June 2019 - Present | Hyderabad, India

- Built Machine learning models on Audio Data for a US based Pharmaceutical giant. Successfully Drove the POC through to development phase. Used Python, Keras, Hidden Markov Models, Signal Processing, Neural networks, RF, KNN.
- Built AI models to automate existing work flow process for a US based Insurance company. Achieved significant estimated reductions in time and effort over existing manual processes in place. Used Python, Keras, Jupyter, Machine Learning, KNN, XGBoost, RF
- Built a deployable Machine learning pipeline to reduce time and improve efficiency of document review process for a US based Media and Entertainment giant. Successfully integrated the pipeline into client's existing workflow. Used Python, TF-IDF, Doc2Vec, NLP, Machine learning,Scikit learn, Jupyter.

Mentor Graphics | Machine Learning Intern
July 2018 – Dec 2018 | New Delhi, IN

- Built Image classification, Object Detection and Image segmentation models on live video feed data from Self driving car simulators.
- Successfully drove the POC phase of project to completion to clinch projects in self driving domain for the development team.
- Used Python, Keras, Tensorflow, OpenCV, Neural Networks, CNN

PROJECTS AND PUBLICATIONS

- Publication - "Prediction of Water quality using Neural Network Models". Paper presented at HYDRO 2019 International conference. Link to paper
- Project - Deployable Machine Learning pipeline for Titanic Survival Prediction | Repository Link | Personal Project.
  - A deployable scikit learn pipeline to plug-n-go the titanic survival prediction model on any machine. Python, Scikit-learn
- Project - Task Manager Web Application | Repository Link | Personal Project
  - A Task Manager Web app in Python- Flask and HTML.
  - Used Jinja Templates and built CRUD operations in Backend
- Project - Quiz Management System - Java | Repository Link | Personal Project
  - Quiz Management System in Java with CRUD and File I/O Operations
  - Built frontend in JAVA AWT