

# Purna Srivatsa

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## EDUCATION

### BITS PILANI

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

## LINKS

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

## COURSEWORK

### UNDERGRADUATE

Machine Learning  
Object Oriented Programming  
Data Structures and Algorithms  
C Programming  
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 - Git and Github
- open source collaboration - Coursera
- Certification - Build Web apps with python and Flask - Coursera
- Co Founded a food delivery startup during college( Jan 2017- Jun 2018)
- National Level Table Tennis Player (2006 - 2012)

## 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

## MAJOR PROJECTS

### 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

### 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

### Quiz Management System - Java | Repository Link | Personal Project

- Quiz Management System in Java with CRUD and File I/O operations
- Built GUI in Java AWT