K V PANKAJ

Dhirubhai Ambani Institute of Information and Communication Technology

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EDUCATION

Degree	University/Institute	Year	CPI/Aggregate
B.Tech | ICT	Dhirubhai Ambani Institute of Information and Communication Technology	2021	8.14
Higher Secondary | Class XII	Narayana Junior College, Hyderabad	2017	97.3
Secondary | Class X	Delhi Public School, Hyderabad	2015	10

SKILLS

Expertise Area/Area(s) of Interest	Data Structures and Algorithms, Machine Learning
Programming Language(s)	C++,Python,SQL,HTML
Tools and Technologies	PopSQL, Jupyter Notebook, Git, NumPy, Pandas, Matplotlib, Scikit-Learn, Metabase
Technical Electives	Discrete Mathematics, System Software, Groups and Linear Algebra, Probability, Statistics and Information Theory

PROFESSIONAL EXPERIENCE/INTERNSHIPS

Blind People's Association(Rural Internship)	Worked at Blind People's Association as a part of Rural Internship in December 2018. We, as a team made certain changes to their current website as per their requirements for better outreach and advertising. Designed brochures and Flyers about the association and the facilities available there. We also got a chance to experience the importance of vision when we were taken into a pitch dark room with the help of a guide. *Guide: Mr. Dharmendra Kumar Jena(Manager), BPA*	(December 6 2018-December 31 2018) Team Size - 6

PROFESSIONAL EXPERIENCE/INTERNSHIPS

Research Internship(IIIT-Hyd)

Project Title: Intelligent Historical Document Image Analysis

(May 7 2019- July 8 2019)

Team Size - 6

1) Worked on their website, which shows images that are annotated, unannotated and bookmarked for future purposes. In this website, I have fixed a bug namely bookmark toggle which is now persistent. Added a feature for filtering the images , based on the time taken by the user to annotate the image.
2) Parsed Json file to fix the error of identifying different regions in a document like character line segment, holes, page boundary etc. with different colours
3) Used Metabase for analyzing data and made bar plots, like status of the documents of a dataset in 3 categories namely Annotated, Skipped and Unannotated.
4) Used Douglas-Peuker algorithm to simplify the number of points in the polygon, as predicted by the computer model around the region in the document.
5) Made a complete user manual on how to set up all the services like the Viewer, Annotation tool and the database for the whole application.

Guide: Professor Ravi Kiran Sarvadevabhatla, IIIT-Hyderabad

PROJECTS

Capturing Pictures from a rotating camera using Raspberry Pi

Guide:
Professor: Rutu Parekh, ***DA-IICT***

Whenever some motion is detected by a PIR sensor, the camera starts rotating and takes 8 pictures in 2 rotations of the camera. These images are stored on a server and are later displayed on a website. Also whenever some movement is detected by the sensor, an alert message is sent to the concerned authorities about the same.

(March,2019-April,2019)

Team Size - 10

Classification of MNIST dataset using TensorFlow

Guide:
Jose Portilla ***(Udemy Course Instructor)***

Classified MNIST dataset by implementing a Multi-Layer Perceptron network using Tensorflow library. Used Adam Optimizer for training the model and reduction of the cost function

(January, 2019-February, 2019)

Team Size -1

POSITIONS OF RESPONSIBILITY

- Member of SAMBHAV, a club that organizes various activities for the betterment of the society like blood donation camps, visiting orphanages for helping the underprivilaged.

- Co-Ordinator for the Badminton event at our college's annual sportsfest Concours'2018.

AWARDS AND ACHIEVEMENTS

Secured 1st position consecutively for the years 2018 and 2019 in Inter Year Table Tennis tournament which consisted of teams from BTech 1st year, 2nd year, 3rd year and 4th year .

Finished 2nd in Intra DA-IICT Singles Table Tennis tournament in 2017.

INTERESTS AND HOBBIES

- Playing outdoor sports like Table Tennis, Cricket, Football.
- I like to watch American talkshows and T.V shows.
