
Ramit Singh

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SKILLS

Programming languages- Machine Learning (python Scikit-learn), Python, Numpy, Pandas, Java, C++, R programming

Big Data technologies- Apache Hadoop, Hbase, Hive, Spark, Github

Database technologies- MySQL, MongoDB, Apache Cassandra

Data visualization technologies- Tableau

Software tools: VS code, Jupyter Notebooks, Google Colab, PyCharm, MS excel, MATLAB

Operating System: Windows, Linux (shell scripting)

PROJECTS

- **CDAC:**

- **NLP with Disaster tweets:**

- This project is based on Natural Language Processing (NLP) used for analyzing textual data which focuses on disaster events across the world and classifying them for indicating to possibility of natural disaster or normal disaster. Machine learning and NLP libraries of python programming are being used build it in VS code.

- **DUCAT (Aug 2022 to Dec 2022):**

- **Car booking system:**

- This project was based on a window GUI application created using Python Tkinter Library. This project was about creation of Car invoice based on the selection of car, its model, accessories, and available discounts. Tkinter was used for making a front-end Interface for the project and OOPs concept was used for making the internal working of project.

- **Amity University (July 2018 to Apr 2022):**

- **Major Project (Classification and detection of liquid samples in hospitals and chemical labs using computer vision):**

- This project is based on computer vision technologies that is implemented using YOLO v5 model with self-created database of liquid sample images and training sets for classification. A YOLO model and labeling software are used for detecting various medical samples.

Minor Project (Visual Crash Detection):

In this project, a Vision-based crash detection system is developed for a mixed traffic flow situation using PyCharm. This project is implemented by using image enhancement techniques and applying YOLO algorithms.

Summer Internship project (Development of AI based Chatbot):

A chatbot, a software application, is developed to conduct an online chat conversation via text or text-to-speech, in lieu of providing direct contact with a live human agent. Me along with my team created an AI based Chatbot using Google Dialog flow at mCarbon Tech innovation Pvt. Ltd.

In-house Project: Edge detection and Image enhancement for Geometric profiling:

The topic for the in-house project in which edge detection and image enhancement methods (well known as image processing methods) are used to detect type of objects for their geometric profiling using MATLAB.

Term Paper:

Prepared term paper on Application of Bluetooth technology to illustrates its basis, overview, features and advantages and disadvantages of the technology in the real world.

EDUCATIONAL QUALIFICATIONS:

Course/Examination	Year	Collage/Institution	Result /Rank
Post Graduate Diploma in Big Data Analysis (PG-DBDA)	SEP 2023 - FEB 2024	Centre for Development of Advanced Computing, Bangalore	62.6%
Bachelor of Technology in Electronics and Communication Engineering (B. Tech (ECE))	JUL 2018 - APR 2022	Amity School of Engineering and Technology, Noida	65.1%
CBSE- Class XII	MAR 2017 - APR 2018	Hillwoods Academy, Delhi	70%
CBSE- Class X	MAR 2015 - APR 2016	Hillwoods Academy, Delhi	80%