Akash Ramanand Rajak

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WORK EXPERIENCE

DSC - IIIT KALYANI | Student Member — India, IN | JAN 2021 - MAR 2021

- Mentored by : Omkar Ajnadkar.
- Built an end-to-end ML system for tabular datasets using ML and NLP.
- Written general functions for each subtask and build up in Bottom-Up approach
- Participated in Android Study Jam.

LETS GROW MORE | Open Source Contributor — India, IN | JUN 2021 - AUG 2021

EDUCATION

SSC — India, IN | JUN 2014 - JUN 2016

- Gujarat Refinery English Medium School (GREMS)
- Percentile : 98.95 Grade : A2

HSC - Maths, Physics, Chemistry — India, IN | JUN 2016 - JUN 2018

- Baroda High School, Alkapuri
- Percentile : 92.06 Grade : B1

B - Tech Computer Science — India, IN | JUN 2019 - JUN 2023

- Indian Institute of Information Technology, Kalyani
- CGPA Till Sem - 4 : 8.9029

PROJECTS

CAVEMAN - THE SAVIOUR — Java, Android, Sqlite database

A 2D physics-based game app created with Android Studio and with simple graphics.It is an enemy killing game, where player need to reach the winning score by killing the enemies. The game is also split in different level, making player to challenge different stages of enemy.

PASSWORD STRENGTH PREDICTOR — Python(Numpy, Pandas, Seaborn), Regression, Jupiter Notebook

Built a NLP and ML model, to predict the strength of passwords, using csv dataset. Used nltk library for for NLP and numpy, pandas module for preprocessing purpose. Used different models like Linear Regression, Ridge Regression, Decision Tree Regressor and got better accuracy.

DICTIONARY — Python (json, Tkinter)

Built an English dictionary using tkinter GUI. For data set, used JSON data file. Also implemented the case of word having interfaces (many meanings) and in case of any typo, developed the closest word matching technique. Also implemented the auto-complete feature.

SIMPLE PYTHON IDE — Python (Tkinter, StringIO)

Built a Simple Python IDE using tkinter GUI. Here User will be able to run python code and see the output by running it. Added feature to change the mode of coding area to black mode. Also implemented the auto-complete feature.

SKILLS

Languages: C, C++, Java, Python (Numpy, Pandas, Matplotlib, Seaborn, Tkinter, OpenCv), Scilab, MIPS Assembly Language
Web Development: HTML/CSS
Technology: Dev C++, Pycharm, Jupiter Notebook, Eclipse, Android Studio, Scilab, Qtspim, Git & Github, NLP, ML