Akash Ramanand Rajak

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EDUCATION

- **SSC**
  Gujarat Refinery English Medium School (GREMS)
  Percentile : 98.95 Grade : A2
  2014 - 2016

- **HSC - Maths, Physics, Chemistry**
  Baroda High School, Alkapuri
  Percentile : 92.06 Grade : B1
  2016 - 2018

- **B - Tech Computer Science**
  Indian Institute of Information Technology, Kalyani
  CGPA Till Sem - 4 : 8.9029
  2019 - 2023

SKILLS

- **Programming Languages**
  C, C++, Java, Python (Numpy, Pandas, Matplotlib, Seaborn, Tkinter, OpenCv), HTML-CSS, Scilab, MIPS Assembly Language

- **Technologies**
  Dev C++, Pycharm, Jupiter Notebook, Eclipse, Android Studio, Scilab, Qtspim, Git & Github, NLP, ML

- **Languages**
  English, Hindi, Gujarati

EXPERIENCE

- **Winter Of Code - Student Member**
  Developer Student Club - IIIT Kalyani
  - Mentored by : Omkar Ajnadkar
  - Project : Tabular ML (Built an end-to-end ML system for tabular datasets).
  - Participated in Android Study Jam.
  JAN 2021 - MAR 2021 (3 mos)

- **LGM SOC'21 - Open Source Contributor**
  Lets Grow More
  JUN 2021 - Present

PROJECTS

- **CaveMan - The Saviour** [Github Link]
  - 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.
  + *Features used - Java, Android, Sqlite database*

- **PasswordStrengthPredictor** [Github Link]
  - 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.
  + *Features used - Python(Numpy, Pandas, Seaborn), Regression, Jupiter Notebook*

- **Dictionary** [Github Link]
  - 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.
  + *Features used - Python (json, Tkinter)*

- **Simple Python IDE** [Github Link]
  - 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.
  + *Features used - Python (Tkinter, StringIO)*

COURSES

- **Mathematics**
  Linear Algebra, Probability and Statistics, Dicrete Mathematics, Calculus and Differential Equation, Numerical Analysis and Computing
- **Computer Science**
  Programming with C, Data Structures and Algorithm, Algorithm Analysis and Design, Computer Architecture, Formal Language and Automata Theory, Data Science (Python), Operating System, Object Oriented Programming (JAVA), Scilab, Qtspim
- **Electronics**
  Digital Electronics, Analog Electronics, Data Communication, Signals and Systems
- **Others**
  Physics, Ethics, Economics, Humanity (Psychology)

Interests & Hobbies

- Competitive Programming
- Open Source

LINKS

- Github Linkedin HackerRank
- CodeChef Codeforces LeetCode

Events & Participations

- Participated in Google Coding Competition - HashCode 2021, CodeJam 2021, KickStart 2021.
- Participated in Devfolio Hackathon HackData 5.0, with project BSM.
- Participated in Code Kaze'21, Code Frenzy - Online Coding Competion by Coding Ninjas.

Certifications & Awards

- Code Kaze'21 | Code Frenzy
- Android Study Jam | Winter Of Code