

Akash Ramanand Rajak

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📍 Gujarat, India - 391410



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 : 8.88
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 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.
 - Implemented the AUTO-COMPLETE feature.
 - Implemented TEXT - SPEECH & SPEECH - TEXT.
 - Added VIRTUAL KEYPAD.
 - For data set, used JSON & CSV data file.
 - Also implemented the case of word having interfaces (many meanings) and in case of any typo, developed the closest word matching technique.
 - + Features used - Python (tkinter, pyttsx3, speech recognition, pyaudio)
- **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, Discrete 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 - Hash-Code 2021, CodeJam 2021, KickStart 2021.
- Participated in Devfolio Hackathon HackData 5.0, with project BSM.
- Participated in Code Kaze'21, Code Frenzy - Online Coding Competition by Coding Ninjas.
- Codacharya 2021 - Coding Competition organized by IIIT Kalyani.

Certifications & Awards

- Codacharya 2021 - 2nd Prize Winner
- [Code Kaze'21](#) | [Code Frenzy](#)
- [Android Study Jam](#) | [Winter Of Code](#)