Akash Ramanand Rajak

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EDUCATION

- **B - Tech Computer Science** **2019 - 2023**
  Indian Institute of Information Technology, Kalyani
  CGPA Till Sem - 4 : 8.88
- **HSC - Maths,Physics,Chemistry** **2016 - 2018**
  Baroda High School, Alkapuri *92.06 %ile*
- **SSC** **2015 - 2016**
  Gujarat Refinery English Medium School *98.95 %ile*

EXPERIENCE

- **Software Developer - Intern**
  Exposys Data Labs
  - Project : Built an algorithm to secure messages with high security and less time. And also authenticated user entity.
  JUL 2021 - Aug 2021 (1 mos)
- **LGM SOC'21 - Open Source Contributor**
  Lets Grow More
  JUN 2021 - AUG 2021 (3 mos)
- **Winter Of Code'21 - Student Member**
  Developer Student Club - IIIT Kalyani
  - Project : Tabular ML (Built an end-to-end ML system for tabular datasets).
  - Participated in Android Study Jam.
  JAN 2021 - MAR 2021 (3 mos)

SKILLS

- **Programming Languages & Technologies**
  - C, C++, Java, Python, HTML-CSS, Scilab, MIPS
  - Dev C++, Pycharm, Jupiter Notebook, Eclipse, Android Studio, Scilab, Qtspim, Git & Github
- **Patterns & Practices**
  Problem Solving, ML/NLP Model Creation
- **Languages**
  English, Hindi, Gujarati

PROJECTS

- **CaveMan - The Saviour** [Github Link]
  - A 2D physics - based flash game app created using ANDROID STUDIO and with simple graphics.
  + *Features used - Java, Android, Sqlite database*
- **Organ-Donors-Prediction** [Github Link]
  - Built a ML MODEL, to analyze the data of donors and predict from that. Analyzed with models like Logistic, Linear, Ridge, Lasso Regression, Decision Tree, Random Forest, K Neighbors, XGBoost Classifier.
  + *Features used - Python(Numpy, Pandas, Seaborn, matplotlib, sklearn), Regression, Classifier, Jupiter Notebook*
- **Video Stitching** [Github Link]
  - Built a Video Stitching application with ROW and COLUMN STITCHING.
  + *Features used - Python (tkinter, opencv, moviepy, PIL)*
- **Dictionary** [Github Link]
  - Built an English dictionary with AUTO-COMPLETE, TEXT - SPEECH, SPEECH - TEXT, VIRTUAL KEYPAD feature.
  + *Features used - Python (tkinter, pyttsx3, speech recognition, pyaudio)*
- **Simple Python IDE** [Github Link]
  - Built a Simple Python IDE using tkinter GUI which runs code, find errors, change themes.
  + *Features used - Python (Tkinter, StringIO)*

Certifications & Awards

- Codacharya 2021 - 2nd Prize Winner
- Code Kaze'21 | Code Frenzy | LGM SOC'21
- Android Study Jam | GDSC - Winter Of Code
- Udemy - NLP Basic Course
  Udemy - Complete Python & OOPs Course
- Pirple - Frontend Fundamentals

COURSES

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

Interests & Hobbies

- Competitive Programming
- Open Sourcing

Events & Participations

- Google Coding Competition 2021, Facebook Hacker-Cup 2021.
- Devfolio Hackathon HackData 5.0, with project BSM.
- Code Kaze'21, Code Frenzy - Online Coding Competion by Coding Ninjas.
- Codacharya 2021 - Coding Competition organized by IIIT Kalyani.

LINKS

- Github Linkedin HackerRank
- CodeChef Codeforces LeetCode