

# 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 with efficient time. And also authenticated user entity.  
JUL 2021 - Aug 2021 (1 mos)
- **LGM SOC'21 - Open Source Contributor**  
Lets Grow More  
- Contributed to different opensource projects.  
JUN 2021 - AUG 2021 (3 mos)
- **Winter Of Code'21 - Student Member**  
Google Developer Student Club - IIIT Kalyani  
- Project : Tabular ML (Built an end-to-end ML system for tabular datasets).  
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/DL/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 Studio, Sqlite database
- **Real Time Human Detection & Counting** [\[Github Link\]](#)  
- A Python script to detect and count humans in real time images, videos & through camera.  
+ Features used - Python (Tensorflow, OpenCv, matplotlib), Deep Learning
- **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

- Participated in 30 Days of Google Cloud and completed both Cloud Engineering Track and Data Science & Machine Learning Track.
- [Codacharya'21 - 2nd Prize Winner](#)  
[LGM SOC'21 - Top Contributor](#)
- [Android Study Jam](#) | [GDSC - Winter Of Code](#)
- [Udemy - NLP Basic Course](#)  
[Udemy - Complete Python & OOPs Course](#)

## COURSES

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- **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

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- Competitive Programming
- Open Sourcing

## Events & Participations

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- Google Coding Competition 2021, Facebook HackerCup 2021.
- Participated in HacktoberFest'21 and Contributed to Open Source.
- Devfolio Hackathon HackData 5.0, with project BSM.
- Code Kaze'21, Code Frenzy - Online Coding Competition by Coding Ninjas.
- Codacharya 2021 - 4th Annual Coding Competition organized by IIIT Kalyani.

## LINKS

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-  [Github](#)  [Linkedin](#)  [HackerRank](#)
-  [CodeChef](#)  [Codeforces](#)  [LeetCode](#)