

# Akash Ramanand Rajak

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## EDUCATION

- **B - Tech Computer Science** 2019 - 2023  
Indian Institute of Information Technology, Kalyani  
CGPA Till Sem - 5 : 8.89
- **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'21**  
Exposys Data Labs  
- Project : Built an algorithm to secure chat messages with 95% high security and with 2x efficient time.  
JUL 2021 - Aug 2021 (1 mos)
- **LGM SOC'21 - Open Source Contributor**  
Lets Grow More  
- Contributed to different opensource projects, with 215 PRs merged and opened 200+ issues.  
JUN 2021 - AUG 2021 (2 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 and handled large datasets with millions of data using tabular ML model).  
JAN 2021 - MAR 2021 (3 mos)

## SKILLS

- **Programming Languages & Technologies**  
- C, C++, Java, Python, HTML-CSS, SQL, PL SQL, JavaScript, Algorithms & Data Structure  
- Dev C++, Pycharm, Jupiter Notebook, Eclipse, MySQL, Android Studio, Scilab, Qtspim, Git & Github
- **Patterns & Practices**  
Problem Solving, OS, DBMS, OOPs, Computer Networks, ML/DL/NLP Model Creation
- **Languages**  
English, Hindi, Gujarati

## PROJECTS

- **Cave Man Game** [\[Github Link\]](#)  
- A 2D physics - based adventurous flash game app created using ANDROID STUDIO and with simple graphics.  
+ Features - 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 - Python, Tensorflow, OpenCv, Deep Learning
- **Student & Course Management System** [\[Github Link\]](#)  
- A Simple Real-Time faculty and student based Course Database Management System.  
+ Features - Python, SQL
- **Video Stitching** [\[Github Link\]](#)  
- Built a Video Stitching application with ROW and COLUMN STITCHING.  
+ Features - Python, OpenCv
- **Dictionary** [\[Github Link\]](#)  
- Built an English dictionary with AUTO-COMPLETE, TEXT - SPEECH, SPEECH - TEXT, VIRTUAL KEYPAD feature.  
+ Features - Python, Speech Recognition

## Certifications & Awards

- [Codacharya'21 - 2nd Prize Winner](#)
- [LGM SOC'21 - Top Contributor](#)
- [Google KickStart - 2021](#)
- [AlgoUniversity CodeRush - 3rd Runner Up](#)
- [Android Study Jam](#)
- [GDSC - Winter Of Code](#)
- [Udemy - NLP Basic Course](#)
- [Udemy - Complete Python & OOPs Course](#)
- [Udemy - Git & Github Crash Course](#)

## COURSES

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- **Mathematics**

Linear Algebra, Probability & Statistics, Discrete Mathematics, Calculus & Differential Equation, Numerical Analysis & Computing, Computational Number Theory

- **Computer Science**

DSA, Algorithm Analysis & Design, Computer Architecture, Formal Language & Automata Theory, Data Science, OS, Object Oriented Programming, Scilab, Qt-spim, Compiler Design, AI, ML, NLP, DBMS, Computer Network

- **Electronics**

Digital Electronics, Analog Electronics, Data Communication, Signals & Systems, Microprocessor & Microcontroller System, Quantum Computing

- **Others**

Physics, Ethics, Economics, Humanity (Psychology), Cognitive Science, Soft Skill Development

## Interests & Hobbies

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- Competitive Programming
- Open Sourcing
- Reading & Writing

## Events & Participations

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- Google Coding Competition 2021, Facebook Hacker-Cup 2021.
- Participated & Contributed to Open Source programs like HacktoberFest'21, LGM SOC'21, GDSC IIIT Kalyani WOC, GWOC'21, SWOC'21.
- Devfolio Hackathon HackData 5.0, with project BSM.
- Code Kaze'21, Code Frenzy - Online Coding Competition by CodingNinjas.
- Codacharya 2021 - 4th Annual Coding Competition organized by IIIT Kalyani.

## LINKS

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