

SAMRUDDHI DEODE

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EDUCATION

- **MKSSS Cummins College of Engineering for Women, Pune** Jun 2023
Third Year, BTech Computer Engineering (CGPA 8.91)
Courses:
Feynman Lectures on Physics Volume I & II - Operating Systems - Database Management System (SQL & NoSQL) - Cloud Computing - Computer Networks - Discrete Mathematics - Engineering Mathematics (I, II and III) - Data Structures and Algorithms - Design and analysis of Algorithms - Microprocessor Architecture - Android Development - Programming Languages (Python, Java, C/C++)
- **Fergusson College, Pune** (HSC %: 91.8) Jun 2019
Amongst the top 5 scorers from 900+ students.
Rank 1 in the Electronics department.

AWARDS AND ACHIEVEMENTS

- **Winner** Society of Women Engineers- **Rising Star Award** for my outreach work, leadership experience along with technical achievements. (Only 15 awards were given out from thousands of applicants around the world) Nov 2021
- **Winner** JP Morgan Chase Code For Good Hackathon 2021. July 2021
 - 60 Won out of 8000 Applicants
 - Created a website for the ClayLab NGO using MERN stack and implemented a matching algorithm to pair mentors with Mentees involved with the NGO.
- **Selected** in the Flipkart Girls Wanna Code Cohort 2021. Jan 2021
 - 200 girls selected out of 6000 applicants from all over India.
 - Mentored by industry experts from Flipkart for a duration of 4 months.
- **Selected** as a **Speaker** at the 'Incube Conference'. Presented a talk on '**Blockchain and its extensive applications in FinTech**' in front of audiences comprising senior professionals from John Deere and Cummins India Ltd. Oct 2020
- **Awarded** the Nation Builder Award by HDFC bank for outstanding performance in academics and co-curricular activities. Oct 2019

TECHNICAL PROJECTS

- **CryptoTracker** [Github](#) [apk-link](#)
 - Singlehandedly designed an android app that tracks the real-time price of 100+ cryptocurrencies and visualises the data for each currency over 1 hour, 1 day or 1 week in the form of candlestick graphs using the MP Chart library.
 - Built a notification system to alert users when the value of a particular coin falls below a certain value.**Tech Stack: Android, Java, JSON, Gson library and the coinmarketcap API.**
- **Thriftr Ecommerce Website** [Github](#) [web-link](#)
 - Led a team of 5 to build a scalable e-commerce FULL STACK (MERN) website for an upcoming startup.**Tech Stack: MongoDB, Node js, Express, Ejs, CSS, Javascript.**
- **Allot Easy** [Github](#) [web-link](#)
 - Simulated the online course allotment process carried out by the Indian state government in the form of a web application.
 - Single-handedly designed an efficient merit-based allotment algorithm.**Tech Stack: Python, Pandas, CSV, Pywebio (for GUI)**
- **Yogasana Recommender** [Github](#) [web-link](#)
 - Implemented a MERN stack web Application to set your health goals.
 - Designed a recommendation algorithm at the back end to recommend the best Yoga exercises to achieve your health goals.**Tech Stack: MongoDB, Node js, Express, Ejs, CSS, Javascript.**
- **Python Interpreter Clone** [Github](#)
 - Built a clone of the python interpreter which solves complex expressions using *expression trees*.
 - Implemented *HashTables* to store and process user-defined variables.**Tech Stack: Java OOP**
- **Vaccination Roll-out** [Github](#)
 - Implemented Linked List and Queue data structures along with the Object-oriented paradigm of C++
 - Simulated the management of the rollout of the Covid-19 vaccination process.**Tech Stack: C++**

LEADERSHIP ROLES

- **Founder: Bake For Change** (visit [Bake For Change](#)) May 2020-Dec 2021
 - Founded a Not for Profit Bakery in the lockdown of 2020 with proceeds going towards feeding the homeless.
 - 100+ people served and generated employment for 3 domestic helpers.
- **Vice President SWE CCEW** Jun 2020- present
 - Led a STEM program for 300 girls from underprivileged backgrounds aged 12 to 15 on the occasion of Science Day.
 - Organised LGBTQ+ awareness sessions to promote inclusivity and diversity in college and the workplace.