

# SATHWIK M

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## EXPERIENCES

### Full Stack Developer (App and Website Development)

May 2023 - July 2024

*Ecomitra Organiqs*

Bengaluru

- Created an app to **facilitate** tree planting using seedballs, promoting sustainable **reforestation** efforts.
- Implemented **QR code** functionality to streamline the process of tracking and managing seedball planting activities.
- Included **location-based** features to simplify and optimize reforestation efforts, ensuring efficient and organized planting initiatives.
- **Tech Stack** : React Native, React, Appwrite (Auth, Account, Client, Databases), AsyncStorage

### Full Stack Developer Freelancing (App and Website Development)

Aug 2024 - Nov 2024

*Green Trade Foundations*

Bengaluru

- Developed a mobile application for a **financial company**, providing a comprehensive solution for managing various financial metrics, capable of supporting **100k+** monthly active users..
- Achieved **1.3M+** executions per month in my app, utilizing **Appwrite** as a backend service to ensure smooth and efficient performance..
- Integrated **features** such as ROI Income, level income , referral income management etc.
- **Tech Stack** : React Native, React, Appwrite (Auth, Account, Client, Databases), AsyncStorage

### Machine Learning With Python (Research Based) Intern

Sept 2023 - Jan 2024

*Compsoft Technologies*

Bengaluru

- Collaborated on a **client-based** project at Compsoft Technologies, where teams were tasked with providing tailored solutions to **real-world** challenges.
- **Independently** developed a machine learning model that achieved **88%** accuracy in predicting optimal crop yields based on soil parameters and weather conditions, offering **data-driven** recommendations to improve agricultural efficiency..
- **Tech Stack** : Python, Pandas, Scikit-learn, Matplotlib, Flask, Html, CSS, JS

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, SQL

**Technologies/Frameworks:** React, React Native, HTML, CSS, MySQL, Appwrite, Bootstrap, Tailwind CSS

**Developer Tools and others:** Git, Github, VS Code, Jupiter

## PROJECTS

### Cardio Care | HTML, CSS, JavaScript, Python libraries (image processing, data analysis), Flask **2022** ([Link](#))

- Developed an app using **webcam** technology to detect **heart attack risk** by analyzing heart rate, HRV, stress levels, and oxygen saturation, with real-time insights and dynamic graphs.
- Utilized **advanced techniques** like Gaussian pyramid, Haar cascade, Fast Fourier transform, EVM etc to **enhance accuracy**, offering downloadable reports and doctor consultation options.

### College Xerox Application | HTML, CSS, JavaScript, Python, Flask, MySQL

**2020**

- Integrated a **robust** system for users to upload PDFs for printing tasks, ensuring a smooth and intuitive **pre-ordering** process. This **feature minimizes** wait times and improves service delivery.
- Designed the app to cater specifically to the **needs** of college students and staff, promoting an **organized and efficient** approach to managing printing tasks.

### College Connect | React Native, Appwrite (as a Database)

**2020** ([Link](#))

- Created an **intuitive** platform for students to upload and **resolve** academic doubts, fostering a collaborative learning environment.
- **Enabled** achievements posting and community map creation, allowing users to join and interact with various college groups, **promoting** a sense of belonging and engagement.

## EDUCATION

### Dr. B.B. Hegde First Grade College

**2019 – 2022**

*Bachelor of Computer Applications - **CGPA** - 7.33*

Kundapura, Karnataka

## ACHEIVEMENTS

- Participated in over **5+** **Hackathons**, including national and state-level
- Achieved victory in **2 hackathons**, showcasing problem-solving and innovative skills.