



# ANIRUDH SRINATH BELWADI

## Full Stack Developer

I am a passionate individual who loves building web applications, a developer and musician by passion, an engineer by profession and a photographer by interest. The motto of my life is to be determined towards the software world and its development for the betterment in the standard of living of the society.

📍 Mumbai, India

✉ anirudh.belwadi@gmail.com

💻 anirudhbelwadi.com

## EDUCATION

### B.E. in Computer Engineering

Mumbai University | 2018-2022

- **CGPA:** 8.8
- Campus lead at Google Developer Student Clubs 2021-22.
- Administrator at Google Developer Student Clubs 2020-21.
- Technical Head at Indian Society for Technical Education (ISTE) student chapter.
- Technical Coordinator at Institution of Electronics and Telecommunication Engineers (IETE) student chapter.
- Core Organizer of TEDx SIESGST.
- Head of Aaroha, the Music Club, where I organized a 3 hour long Concert Eve in collaboration with more than 15 musicians including vocalists and instrumentalists.
- I was awarded the "Most Enterprising Student" Award in the First Year.
- I was awarded the "Student of the Year" Award in the Final Year.
- Participated in University Level Tug of War, Discus Throw and Shot Put games.
- Stood 1st in Intercollegiate Duet Singing competition and 2nd in Instrumentedley, an Intercollegiate Instrumental competition.

### Higher Secondary Certificate

Vasant Vihar High School & Junior College | 2018

- **Aggregate:** 78.77%
- Stood 1st In Intra College Web Designing Competition.
- Stood 2nd in District level Shot Put Game and also qualified for Discus and Javelin Throw Games.
- Stood 1st in Intra College Discus Throw Competition.
- Part of the college's Basketball Team.
- Stood 2nd in Intra College Singing Competition.
- Part of the college choir as a singer, Keyboardist and Guitarist.

### Secondary School Certificate

Dr. Kalmadi Shamarao High School | 2016

- **Aggregate:** 87%
- Was awarded the "Best Outgoing Student" award.
- Stood 1st in the Interschool Western Band Competition.
- Part of the School Choir as a singer, Keyboardist and Guitarist.

## WORK EXPERIENCE

### Full Stack Developer

Reliance Jio | December 2022 - present

- Assisted in developing 5+ core services application in MyJio which included writing structured, tested, readable and maintainable code.
- Technologies used: ReactJS, i18n-next, NextJS, JavaScript, HTML, CSS

## Graduate Engineer Trainee

Reliance Jio | July 2022 - November 2022

- Started my journey as a Graduate Engineer Trainee in the Recruitment Team and the Service validation team of Jio Events having a user base of more than 15 million.
- Performed Regression testing sprints and Post Deployment Sanity checks for JioEvents product, where I could identify critical bugs and get it resolved from the developers.
- Conducted Campus Recruitment drives, including Group Discussions and Technical Interviews for over 1000+ graduates.

## Founder & CTO

Team FullStack | Mar 2020 - July 2022

- Founder and CTO of a successful start up that leveraged a win-win model of employing trained students to meet digital services needs such as product research, website and application design/development for client companies.
- Awarded 1st place in Global Student Entrepreneur Awards at Hyderabad, India. Qualified and participated at their National level finals held in Vizag, India.
- Identified among top 500 Innopreneurs International Startup Contest (7th Edition), held across 15 countries.
- Trained over 200+ students in different domains like Full Stack Development, Graphic Designing and Digital Marketing.
- Supported National Skill Development Corporation of India (NSDC) and APLL for managing their CSR projects of global companies like LTI and TCS.
- Mentored and helped the growth of 16 interns through training and hands-on development during this tenure.
- **Website Link:** [teamfullstack.tech](https://teamfullstack.tech)

## Front End Development Intern

Cardinal LCA | July 2021 - May 2022

- Revamped the existing website where I improved the design, functionality, responsiveness and the accessibility of the company website which worked towards reducing the environmental impact caused by the Architecture, Engineering & Construction industries.
- Developed a web application which integrated a database and a Machine Learning model for Assembly Performance Analyzation which was presented in Harvard Office for Sustainability.  
**Project Link:** [github.com/anirudhbelwadi/Assembly-Performance-Analyzer-Tool](https://github.com/anirudhbelwadi/Assembly-Performance-Analyzer-Tool)
- Developed an API for integrating a Rhino Plugin and a central database having the data about the parameters required for LCA calculations.
- **Technologies used:** HTML, CSS, JavaScript, jQuery, Bootstrap, Python, Flask, Django, Sqlite3 Database, AWS Amplify (for hosting)
- **Current website link:** [cardinal-lca.github.io/website/](https://cardinal-lca.github.io/website/)

## Full Stack Development Intern

HaleAI | Mar 2020 - Jun 2021

- Developed web applications for Covid, Brain Tumor, Tuberculosis, Diabetic Retinopathy and Fatal Brain Diseases which led to the transformation of the present system of diagnosis and treatment in the healthcare system.
- Developed an informative website.
- Got selected for the NVIDIA Inception incubation program for AI start-ups.
- Developed and handled the digital presence of the company on different social media platforms.
- **Technologies used:** HTML, CSS, JS, jQuery, Bootstrap, Python, Flask, AWS (S3 and EC2), Firebase, SQLite3 Database
- **Website link:** <https://shorturl.at/qyFHX>

## IoT Development Intern

III Creations | Jan 2022 - Mar 2022

- Assisted in developing and deploying an Automated Data Capturing RVM (Reverse Vending Machine) using Raspberry Pi installed in Malls, Railway Stations and other public areas. The purpose of the project was to support the recycling of plastic bottles using crushers and by attracting the youth to support the cause by rewarding gift coupons, on disposing used plastic bottles.
- Integrated a deployed API with the raspberry Pi module which would capture user data and would instantly send SMS to mobile number passed which I captured by the developed GUI and also by a 4x4 keyboard interface.
- Developed an Alerting Machine for Dustbins which indicated the level of waste filled.
- **Technologies used:** Internet of Things (IoT), Web Services API, Raspberry Pi, Python, MySQL

## FREELANCE PROJECTS

Gulf Services & Industrial Supplies LLC | Jun 2022 - present

### Inventory Management System

- Designed & Developed a web based inventory management system which focused on providing specific functionalities to 4 different types of users to handle the transactions of close to 25000+ line items in 18 different inventory locations.
- This project has helped save close to 300 man hours in a year, required to audit all the transactions done in the inventories with particular items.
- **Technology stack:** Python Flask, SQLite Database, HTML5-QRCode library for scanning QR codes of part number and receipt number, QRcode python library to generate QR code for part numbers and Pillow python library to generate identifier images of all the line items, HTML, CSS, JavaScript, jQuery, Bootstrap
- **Hosting on:** PythonAnywhere
- **Web App Link:** [gsistesting.pythonanywhere.com](https://gsistesting.pythonanywhere.com)

### Website Development

Aaradhya Services | Jun 2021 - Jul 2021

- Developed a website which kickstarted the organization's digital presence and digital reach to customers looking for Car rentals, sale, finance, Loan, Insurance, RTO work and labor service.
- **Technologies used:** HTML, CSS, JS, jQuery
- **Website link:** [aaradhya-services.github.io/website](https://aaradhya-services.github.io/website)

### Website Development

EntreSpace | Feb 2021 - March 2021

- Developed a web platform where Entrepreneurs can connect with investors with all necessary IT infrastructure, consultancy, branding, etc.
- Improved the existing reach the organization had through only social media space, by enhancing the SEO of the website.
- **Technologies used:** HTML, CSS, JS, jQuery
- **Website link:** [entrespace.in](https://entrespace.in)

## COLLEGE PROJECTS

### Soundlogy – Music Genre Detection App

- As a team of 3 we aimed to focus on preparing classification algorithms for music genre by preparing the dataset for training, generation of spectrograms, extracting features of MFCCs and developing a web interface to interact with the ML model.
- We developed MLP, RNN and CNN classification models, where we got the highest accuracy in CNN, which was 70% and the web interface took an audio file in .au format and the instructions to convert the widely used .mp3 format to the .au format were provided.
- **Technologies used:** Flask, Numpy, Tensorflow, sklearn, matplotlib, librosa, HTML, CSS, JavaScript and Bootstrap
- **Project link:** [github.com/anirudhbelwadi/music-application-using-machine-learning](https://github.com/anirudhbelwadi/music-application-using-machine-learning)

### **Gist. Social Networking Portal**

- A mini project developed as a part of the undergraduate program.
- Focused on developing a user-trusted and reliable social media portal, with features revolving around user sharing thoughts, pictures with friends and family
- User connections, tweets, event creation and sharing are the modules that we have included in the project.
- **Technologies used:** HTML, CSS, JS, Bootstrap, Python, Flask, Sqlite3 Database
- **Project Link:** [anirudhbelwadi.pythonanywhere.com](https://anirudhbelwadi.pythonanywhere.com)

### **Mathematical Library for Python**

- This is an open-source project which I contributed for developing a math library in python wherein we tried to include functions not supported by the official Math module of Python.
- **Project Link:** [github.com/snehil03july/mathpy](https://github.com/snehil03july/mathpy)

## **TECHNICAL ACHIEVEMENTS**

### **AEC Hackathon @ BLOXHUB, Copenhagen, 2021**

- We developed a tool which would predict the Global Warming Potential from abstract designs of buildings.
- We developed a Rhino Plugin which had an integration of ML models, one regression, another classification. The first model would take input parameters considered in the construction of a building and would predict the CO2 emissions and the later one, would take an additional parameter, i.e., the target CO2 emissions and would predict the class of the construction type.
- We won the title of “Best project to solve a big AEC problem” out of top 13 teams in the hackathon.
- Technical Paper got selected for Education and research in Computer Aided Architectural Design in Europe (eCAADe) 2022 conference, Belgium.
- Technical Poster got selected for Avishkar, University Level Research Convention conducted by Mumbai University.
- **Technologies used:** Python (numpy, pandas, Tensorflow, Keras) Google Collab, GH Hops (C#, WPF), Flask, HTML, CSS, JS, jQuery, Bootstrap)
- **Project Link:** [LearnCarbon.me](https://LearnCarbon.me)

### **Covid-19 National Bioinformatics Online Hackathon for Full Stackers**

- We, as a team of 3 full stack developers, developed an android application to assist the then ongoing pandemic situation.
- We developed features including, alert of a covid patient in vicinity, quick access to nearest testing centers and emergency contact centers and also a healthcare worker view where he/she could mark patients covid positive or negative, based on the RTPCR testing.
- **Technologies used:** Android, Java, XML, Firebase – Realtime Database
- **Project Link:** [github.com/covidtracker192/KASH](https://github.com/covidtracker192/KASH)

### **MetaCTF CyberGames 2020**

- Solved problems related to web exploitation, cryptography, binary exploitation, reverse engineering, forensics, and reconnaissance.
- Placed 217th out of 1017 Student Teams and 371st overall out of 1587 teams in MetaCTF CyberGames 2020 on October 25th, 2020 with 2 team members.

## CERTIFICATIONS

### Google Cloud Certified Training in Qwiklabs

- Was selected as the Google Cloud facilitator for my institute in October 2020
- Won multiple skill badges while exploring Google Cloud and services used to facilitate projects.

### AWS certified S3 developer

### 5 star Python Certified Developer in Hackerrank

- Profile link: [hackerrank.com/anirudh\\_belwadi](https://hackerrank.com/anirudh_belwadi)

## INTERESTS & HOBBIES

### Music

- Won Gaurav Puraskar and Yogya Puraskar in Music at Sanskriti Academy of Fine Arts, Thane for my outstanding performance in Keyboard and Guitar.
- Stood 2nd in Saint Purandaradasa Vocal Music Competition organized by Kannada Sangha, Pune.
- Professionally trained in Carnatic and Hindustani Classical musica
- Music Handle on Instagram: [chakravyuh](https://www.instagram.com/chakravyuh)
- YouTube Channel: [youtube.com/c/AnirudhBelwadi](https://youtube.com/c/AnirudhBelwadi)

### Photography

- Secured First Place in Online Photography Contest conducted by two famous photography handles on Instagram.
- Have hands-on experience in using Adobe softwares (Photoshop, Lightroom, Premiere Pro, Illustrator) and Google Snapseed.
- Photography Portfolio on Instagram: [believed\\_it\\_after\\_clicking\\_it](https://www.instagram.com/believed_it_after_clicking_it)

## VOLUNTEERING

### Fundraising for Bamanwada Project

Muskurahat Foundation | Sep 2019 - Oct 2019

- Raised ₹ 51,700 for the children of Bamanwada, a locality in Mumbai, India which was in really adverse conditions.
- The raised funds were used for the enrichment, enhancement and further development of the curriculum which the students are learning in and the construction of a proper place where the teaching sessions were being conducted.
- Fundraiser Link: [milaap.org/fundraisers/AnirudhBelwadi](https://milaap.org/fundraisers/AnirudhBelwadi)

### Flood Relief Drive

Goonj NGO | Aug 2019 - Sep 2019

- Contributed 6 boxes of relief material, such as medicines, clothes, blankets, toiletries, ration and other miscellaneous items, collected from COXSWAIN Health Care and the students of SIES Graduate School of Technology to the flood affected people in Uttara Kannada, Kolhapur, Sangli and many more places in Maharashtra.