

# Vivek Vijayan

## Audio Developer

I am a third year Computer Science Student who is interested in Sound and Music Computing

Email: [vivekvijayan6282@gmail.com](mailto:vivekvijayan6282@gmail.com)

Phone: 6292395319

## Contact

---

Portfolio:

Github: [github.com/enter-opy](https://github.com/enter-opy)

LinkedIn: [linkedin.com/in/vivek-vijayan-062a18212](https://linkedin.com/in/vivek-vijayan-062a18212)

## Education

---

12/2020 – now                      Bachelor of Technology in Computer Science

GPA: 7.82

Fee waiver

College of Engineering Chengannur

06/2018 – 03/2020                Higher Secondary Education in Computer Science

Percentage: 98%

St. Berchman's Higher Secondary School Changanacherry

## Volunteering Experience

---

### Joint Convenor

IHRD Tharang 2023 (National Level Techno-Cultural-Entrepreneurial event organized by the Institute of Human Resources Development (IHRD))

- Lead the video team and created video contents for the promotion of IHRD Tharang 2023
- Created a promo song for IHRD Tharang 2023
- Created puzzles using HTML and CSS for Center-a-div event conducted as part of IHRD Tharang

## Convocation Ceremony Coordinator, CEC Talks Coordinator

### Alumni Relation Cell CEC

- Volunteered in several activities for establishing strong relation with alumni
- Edited podcasts for Cecify Radio (ARC CEC's Podcast series on Spotify)

## Media Team Member

### IEEE SB CEC

- Created video contents for Nirmana, Daksha and Emergence 2.0 conducted by IEEE SB CEC

## Media Team Member

### TinkerHub CE Chengannur

- Created video contents for Web Set Go, Hacktober fest Introduction and UI/UX Workshop conducted by TinkerHub CE Chengannur
- Contributed to TinkerHub CE Chengannur's official website

## Skills

---

### Top Skills

- Digital signal processing
- Audio plugin development
- Music composing and production
- Sound design and mixing

### Programming languages

C

C++

Python

MATLAB

Chuck

Faust

Cmajor

Java

HTML, CSS, JavaScript

## Tools

Visual Studio Community

Visual Studio Code

Android Studio

Git

CMake

Jupyter notebook

PureData

FL Studio

Logic Pro X

Cubase

Ableton Live

Izotope RX

Adobe Photoshop, Premiere Pro, After Effects

Figma

## Frameworks, Libraries and APIs

JUCE

Maximilian

Rubber Band

Q

Numpy, Pandas, Matplotlib, Scikit-learn

OpenGL

## Projects

---

### Sound of music

Sound of music is an audio effect plugin created using C++ JUCE framework. It lets you add digital artifacts such as bit crushing, down sampling, jitter and hard clipping to an audio signal. It features three adjustable bands and each band can be processed individually.

Project link - [github.com/enter-opy/sound-of-music](https://github.com/enter-opy/sound-of-music)

### Pulp fiction

Pulp fiction is an audio effect plugin created using C++ JUCE framework inspired by the works of 6091music. It lets you add water splash and stream samples to transients and sustains of an audio signal respectively.

Project link - [github.com/enter-opy/pulp-fiction](https://github.com/enter-opy/pulp-fiction)

## My lungs

My lungs is a pulmonary ailment detection web-app. It lets user upload chest x-ray and diagnose pneumonia.

Project link - [github.com/enter-opy/My-lungs](https://github.com/enter-opy/My-lungs)

## Present.io

Present.io is an android attendance taking app created using Kotlin and Firebase for FOSS Hack 3.0 conducted by FOSS United. It lets you take attendance by allowing users connect to a Wi-Fi and the admin can view the list of all users connected to the Wi-Fi.

Project link - [github.com/steveaugustine/In-Kyoobeh](https://github.com/steveaugustine/In-Kyoobeh)

## TinkerHub CE Chengannur Website

Contributed to the official website of TinkerHub CE Chengannur, Alappuzha.

Project link - [tinkerhub-cec-website.vercel.app](https://tinkerhub-cec-website.vercel.app)

## Numbur

Numbur is a number guessing game created using HTML, CSS and JavaScript inspired by Wordle. The player is given 8 chances to guess the number. Each time the player enters a wrong number it lets you know whether it is a factor of the target number.

Project link - [github.com/steveaugustine/numbur](https://github.com/steveaugustine/numbur)

## Achievements

---

### SMIFA Shorts 2019

Best Music Director - Malayalam Category

## Courses and Certifications

---

Accelerated Computer Science Fundamentals Specialization  
University of Illinois at Urbana-Champaign

Digital Signal Processing Specialization  
École Polytechnique Fédérale de Lausanne

Music as Biology: Why we like to hear and Why  
Duke University

Intro to Acoustics  
Korea Advanced Institute of Science and Technology (KAIST)



