

SiddharthRay

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socials

GitHub
LinkedIn
StackOverflow

interests

Software Engineering
Computer Science
Computer Engineering
Video Production
3D Animation/VFX

portfolio

♥ Github
♥ siddharthray.com
♥ DJFlame
UTSAV Inc. Website
Rebel Bot
NightCraft

introduction

I'm Siddharth Ray, a Freshman attending Vista del Lago High School. I am passionate in Software Engineering and Computer Science along with other things (I like coding so much, to make this I used \LaTeX). Below are my personal projects, companies, and job experiences in non-profits.

experience

- 2019–now **DJFlame** Folsom, USA
Founder, CEO
DJFlame is a group-streaming and AI-based song mixing and manipulation application. I worked on a cross-platform desktop application for an automated DJ using multiple methods. DJFlame uses Tensorflow-based AI song-selection and a Guest Companion App for Guest Interaction. It was used at multiple public events for beta testing and planned public release Q4 2022. Check out our website at **djflame.tech**.
- 2020–2021 **Rebel Bot and InfiniBot** Virtual
Developer
Rebel bot is a Moderation and "Fun" bot for the popular VoIP Service, Discord. Using the Discord Bot API, the bot was made to help moderators of the Rebel Retreat guild (group of people chatting together). InfiniBot is a similar technology but it was designed for multiple guilds. At its peak, InfiniBot was used in 40+ Discord guilds and had 300+ unique users! It consisted of moderation, fun commands, games, and Guild Statistics using data collected. It had multiple algorithms made to give statistics such as the rating of the guild and what specifically to do that will gather interest for the guild members. Both Rebel Bot and InfiniBot are no longer maintained due to the deprecation of "discord.py" and major changes to the Discord API.
- 2015–2021 **Non-profits: UTSAV Inc. and North American Bengali Conference (NABC)** Folsom, USA
UTSAV Tech and Media Committee Lead, NABC Tech Volunteer
I served on the Tech and Media committee at UTSAV for 4 years before stepping down. During these 4 years, I renovated their website (**utsavsac.org**), upgraded their workflow to fit the current times, and developed a Event Managing App System which was later sought for by other local organizations. The Event Managing App, called "Utsav Events" was made with a Flutter front-end and a BaaS called Firebase, a Google service. I volunteered at NABC for a year and worked on revamping their website for a virtual event (2021).
- 2014–now **Miscellaneous Projects** Folsom, USA
Projects I do for fun but don't need their own section
- **PROJECT GOLDEN GLIDER** An Air-Cannon that can propel a Nerf dart at tremendous speeds, can reach a theoretical speed of Mach 1.2.
 - **PROJECT M.O.V.E** A DSLR camera rig to move a camera in robotic 6-axis movements including moving on rails
 - **NIGHTCRAFT** A Minecraft Java Server hosted in my bedroom on a Raspberry Pi 3 with a port opened to open the server to my friends.
 - **MISC. VFX** I make VFX shots and other videos that involve some sort of CGI or Image Manipulation. These videos can be found in various YouTube Channels, but **this** is my latest public video, consisting of a 3D Animation.

competitions

2021–now **FIRST® Tech Challenge** We built a robot using water-jet cut aluminum parts and programmed the robot using Java and tools like TensorFlow. Went to local and international companies to get sponsorships and made publicly used and open-source tools for the FTC community. We were finalists in the 2022 NorCal Regional Championships and won multiple other awards. Team Juice 16236

2016–2019 **FIRST® Lego League** We built a LEGO-based robot. In our last year won Qualifiers and made 6th place in NorCal Championships Team Golden State Builders 30208