

Yug Gajjar

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EDUCATION

Gujarat Technological University

Bachelor of Technology in Electronics and Communication

Aug. 2018 – Expected Sept. 2022

EXPERIENCE

Research Assistant

Aug. 2020 – Present

Supervised by: [Dr. Wouter Deconinck](#)

University of Manitoba

- Implemented a system to locate data resources for Jefferson Lab's [MOLLER Experiment](#) at [remoll](#) irrespective of the directory it is started from.
- Helped with containerizing [remoll](#) for [Docker](#) and [Singularity](#).
- Currently trying to have the Singularity image work with super-computing on [OpenScienceGrid](#) for high throughput simulations with HTCondor.

Front-End Developer

Nov. 2020 – Present

IEEE, VGEC

Remote

- Revamping the website of IEEE, VGEC.
- Working on making the website mobile responsive.

Full-Stack Developer

Oct. 2020 – Feb. 2021

Freelancing

- Worked with a client to create a MERN stack web app.
- Implemented a web-player to play videos in the browser.
- Used *three.js* for animations.
- Implemented REST API endpoints.

PROJECTS

Seamless | [Postgres](#), [Express](#), [React](#), [Node.js](#), [Docker](#), [Netlify](#)

Dec 2020 – Present

- Developing a full-stack music player as the final project for [The Odin Project](#) that allows a user to play their Youtube and Spotify playlists from a single web app.
- Implemented OAuth to fetch user's playlist data from YouTube and Spotify.
- Implemented Cross-Origin requests for YouTube audio streaming.
- Will be publicly hosted on Netlify and open-sourced on Github after completion.

AIIBOT | [Discord.js](#), [Node.js](#), [SQLite](#), [Sequelize](#), [Heroku](#), [Docker](#)

Sept 2020 – Present

[Source code](#) || [Invite Bot](#) || [Join Bot Server](#)

- Developed multi-purpose Discord bot.
- Implemented functionality for the bot to stream music from YouTube.
- Implemented a guild-centered currency system for the bot.
- Implemented games interfacing with the currency system.
- Implemented several commands that interact with API end-points and admin commands.
- Hosted on Heroku.

PortfolioGen | [React.js](#), [Redux](#), [jQuery](#), [three.js](#), [tilt.js](#), [vanta.js](#)

Jan 2021 – Present

- Developing a web application that takes user data, processes it, and dynamically generates another web application that is a portfolio.
- Implemented logic to process the user data into JSON.
- Implemented a converter to generate components from the data in the JSON object.
- Will be publicly hosted and open-sourced on Github after refining.

CRUD Blog API | [Django](#), [js](#), [Python](#), [AWS S3](#) & [IAM](#), [SQLite\(test\)](#), [Postgres\(prod\)](#), [Heroku](#)

Mar 2020

[Source code](#) || [View Live](#)

- Created a CRUD blogging web application with Django framework in Python.
- Used JavaScript to generate background animation.
- Implemented fetching of data and images that are stored in AWS S3 buckets.
- Implemented user authentication, allowing users to create profiles and edit profiles, post and edit their posts.
- Hosted on Heroku.

TECHNICAL SKILLS

Languages: *Proficient in:* JavaScript, Python, C++, HTML5, CSS3 | | *Worked with:* Java, C, Bash

Frameworks/Libraries: React, Redux.js, Router, Node.js, Express, Django, React-Bootstrap, Bootstrap, React-Router, Jest, SASS

Databases: MongoDB, MySQL, Postgres, SQLite

Developer Tools: Linux, Git, Docker, Spack, CMake, Singularity, Webpack, Babel, TravisCI, WebStorm, ESLint, Github Actions

LANGUAGES

English: Fluent

Hindi: Native

Gujarati: Native