Yug Gajjar

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EDUCATION

Gujarat Technological University

Bachelor of Technology in Electronics and Communication   *Aug. 2018 – Sept. 2022*

EXPERIENCE

Research Assistant   Aug. 2020 – Present

University of Manitoba
Supervised by: Wouter Deconinck

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

Front-End Developer   Nov. 2020 – Present

IEEE, VGEC

- Revamping the website of IEEE, VGEC.
- Used *three.js* for animations.
- Working on making the website mobile responsive.

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.

AllBOT | *Discord.js, Node.js, Fetch, 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 administrator commands for the bot that allows it to ban or remove members, and purge channels.
- Implemented games interfacing with the currency system.
- Implemented several commands that interact with API end-points.
- Hosted on Heroku.

PortfolioGen | *React.js, jQuery, three.js, tilt.js, vanta.js, Netlify*   Jan 2021 – Present

- Developing a web application that takes user data, processes it, and 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.

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.
- Used JavaScript to generate background animation.
- Implemented CORS for fetching 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 | | *Working knowledge of*: Java, C, Bash
Frameworks and libraries: React, Redux.js, Router, Node.js, Express, Django, Material-UI, React-Bootstrap, Bootstrap, React-Router
Developer Tools: Linux, Git, Docker, CMake, Singularity, Webpack, Babel, TravisCI, WebStorm, ESLint, Github Actions

Languages

English: Fluent
Hindi: Native
Gujarati: Native