Tejas Tank

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EDUCATION

THAKUR COLLEGE
Of Science and Commerce
BSc in Computer Science
June 2018 - Present | Mumbai
Graduation By: 2021
CGPA: 8.05

T.P. BHATIA COLLEGE
HSC
May 2017 | Mumbai

ST. ROCK'S SCHOOL
SSC
May 2015 | Mumbai

LINKS

Facebook:// **majordwarf**
Github:// **majordwarf**
LinkedIn:// **majordwarf**

COURSEWORK

UNDERGRADUATE
Linux Server Administration
Information & Network Security
Operating Systems
Web Services
Unix Tools and Scripting
Programming Languages

SKILLS

PROGRAMMING
Over 5000 lines:
Shell • Python • Javascript • CSS
Ruby • LaTeX
Over 1000 lines:
Go • C++ • PHP • Arduino
Familiar:
MySQL • MongoDB • DevOps
Cloud:
Docker • AWS • GCP

EXPERIENCE

ZULIP | Google Summer Of Code Student
May 2020 - Aug 2020
Worked on improving the usability, ease of access and overhaul the user-experience [UX] for the end-user on-boarding Zulip, an open source group chat multi-platform application
- Added new features such as allowing selective organizations to be listed publicly, quick chat command to switch theme, option to skip introduction tour for existing users etc.
- Developed an in-house color picker plugin using **HTML5** and **JavaScript** to remove the dependency of Spectrum, a third-party **jQuery** plugin for better maintenance
- Revamped multiple app views to improve ease of access and user experience
- Refactored over **1000+** lines of code in legacy **CSS** and **JavaScript** files to meet the new standards of linting and for better readability of the code for the contributors

TERASOLOGY | Google Summer Of Code Student
May 2019 – Aug 2019
Developed a solution to automate the process to aggregating the game modules hosted by the organization and generating and updating module information page for the players
- Created Jenkins pipeline using **Groovy** and **Shell** to fetch the game modules, extract their meta-data and format it to be used for the website and the game's internal API
- Modified Gatsby, a framework based on **NodeJS** and **ReactJS** to ingest the meta-data generated using **GraphQL** to render a static website to be hosted on GitHub Pages

PROJECTS

GO SERVICES
Go, Mux, Docker, PostgreSQL
- Developed a **URL Shortner** micro-service based on hexagonal architecture.
- Implemented **CRUD API** using Mux router and PostgreSQL with JWT authentication.

MACHINE ASSISTED REMOTE PROCTORING | Final Year Project
Python, Kivy, OpenCV, MySQL
- Developed **ProctorX**, an app which enables students to give examination remotely and proctors them in real-time using computer vision and allows admin to monitor them
- Implemented **HoG** based object detection to monitor student's face using **OpenCV**

CHRONOSIDE | Discord Hack Week
NodeJS, Discord.js, MySQL
- Worked in a team of three to create **Chronoside**, a text-based multiplayer fantasy role playing game (RPG) developed as a Discord Bot using **NodeJS** and **Discord.js**

POSITION OF RESPONSIBILITY

DEV CLUB | Founder & Co-Lead
Oct 2019 – Present | TCSC
- Formed the club to bring together like minded students & help them collaborate
- Executed events including workshops and competitions for **50+** students
- Obtained sponsorship worth **300$+** since its inception from multiple sources

MICROSOFT STUDENT LEARN AMBASSADOR | Beta Ambassador
Apr 2020 – Present | TCSC & Remote
- Educated **100+** students about Azure platform and other Microsoft technologies
- Organized and co-hosted workshops to teach new developers to get into open-source
- Collaborated with other ambassadors to conduct online group meet and competitions

TERASOLOGY | Community Mentor & Contributor
Aug 2019 – Present | Remote
- Actively reviewing pull request and guiding new contributors in the community
- Mentored students during Google Summer of Code, Google Code-In and Outreachy.
- Worked out plan to develop a family of micro-services to enable ChatOps on Discord