BRIJESH BUMRELA

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EXPERIENCE

Software Developer Intern
nVipani Technology

📅 May 2020 – July 2020

- Built a WebRTC based interactive live stream shopping application
- Using mediasoup library along with socket based communication between client and the centralized server to create a network between all the participants of the meeting
- Selective Forwarding Unit based implementation of the server for the transfer of audio, video (& screen share) streams from all the clients to all other with controlled bandwidth. Built with NodeJS & Angular
- Worked on Angular 9 to build assigned UI features required for the product
- **Tech Stack** - Angular, NodeJS, SocketIO, mediasoup

Teaching Assistant - DBMS
IIIT Sri City

📅 Aug 2019 – Dec 2019 ⊙ Sri City, India

- Conducted hands on sessions during lab and explaining various DBMS concepts - SQL queries, triggers, procedures.

HONORS & AWARDS

- Our team **"Sudo Bots"** stood 3rd all over India in the Smart India Hackathon 2019 Link
- Winner of the TechFesia (annual techfest of IIITS) cascader competition (building clone frontend application). Link

COURSES & LANGUAGES

- **Data Structures & Algorithms**
- **Operating Systems**
- **Database Management Systems**
- **Applied Software Engineering**
- **Computer Communications and Networks**
- **Language & Technologies:** JavaScript (TypeScript), ReactJS, NodeJS, MongoDB, PostgreSQL, Docker, AWS, Java, Python, Angular

EDUCATION / COURSES

Bachelor of Technology
Indian Institute Of Information Technology, Sri City

📅 Aug 2017 – May 2021

CGPA: 8.51

PROJECTS

Gringotts
Github Link

- Providing a vault based solution to securely store secrets, generate dynamic credentials (AWS is implemented) and generate SSH keys.
- Developed the nodeJS API's to work with the frontend (built in React) to store the meta data about the user and credentials which will be used to retrieve the secret from the vault.
- Co-designed the mongoDB schema for the project.
- Developed the Frontend for SSH section using ReactJS.
- **Tech Stack** - ReactJS, NodeJS, MongoDB, Django, Vault(by hashicorp), Docker

SpeakerOre

- A web application to let subscribed users get the new information about the latest events posted by event organizers
- Designed the complete relational db schema and built the backend system using NestJS(NodeJS TS based framework) and PostgreSQL.
- Automated daily check to validate the subscription period of the users
- Integrated payment gateway, messaging, email notification system
- **Tech Stack** - ReactJS, NestJS, PostgreSQL, TypeORM, CircleCI

Adda
Github Link

- Facebook party-like application where group of friends can join a single meeting and watch videos
- Admin user operates the video (pause will pause the video for everyone)
- All the users of the meeting can communicate via audio chat (using WebRTC), chat messages and update the playlist
- **Tech Stack** - ReactJS, NodeJS (TypeScript), SocketIO

CERTIFICATES

- Object Oriented Programming with Java Part I
  University of Helsinki
  Certificate Link

EXTRA-CURRICULAR

Core Member - IOTA (Project Club)

📅 Aug 2018 – Dec 2019 ⊙ Sri City, India

- Organized events and conducted sessions as part of the project club of IIITS to teach the freshers about the basics of web development link