

Abhay Gupta

Last Updated on 21st July 2022

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EDUCATION

ST. ANDREWS INSTITUTE OF TECHNOLOGY

B.TECH IN COMPUTER SCIENCE
August 2023 | Gurugram India
Score - 8.0 CGPA

RMSM SR. SEC. SCHOOL CLASS XII

March 2018 | New Delhi India
PCM with Computer Science
Cumulative Percentage - 76%

COURSEWORK

UNDERGRADUATE

Object Oriented Programming
Design and Analysis of Algorithms
Data Structures
R-DBMS
Mathematics
Operating Systems
Compiler Design
Computer Networks

SKILLS

PROGRAMMING

Languages:

- Advanced : JavaScript, C++
- Intermediate : Python, Java, TypeScript
- Novice : Rust, PHP

Tools:

- Git • Linux • Windows
- Webpack • buildozer • Heroku
- ESLint

Framework & Library:

- ReactJS • Express • NodeJS
- Puppeteer • KivyMD

Technologies:

- HTML • CSS • JavaScript
- SQL • REST APIs

Databases:

- Firebase • MongoDB
- MySQL

Test Suites:

- Jest • Playwright

WORK EXPERIENCE AND OPEN SOURCE

CULTURE INTERACTIVE | FULL STACK DEVELOPMENT INTERN

Jan 2022 – Mar 2022 | Remote Work

- Developed Culture Interactive **Project Management System** using **React** and **Firebase**.
- Optimized Performance by 30% by using **react memo hook**, **code-splitting** and **bundling**.
- Designed a component which can **parse, validate and upload data** from **CSV file to Firebase**. Made adding contributor data much easier with this step.
- Designed an **access control panel** which gives full access to only users added with the panel.

FACEBOOK | OPEN SOURCE DEVELOPER REACTJS

Sep 2021 – Jan 2022 | Remote Work

- Made and presented the **Proof Of Concept(POC)** for End-To-End Testing for **react devtools**. The POC got approved by maintainer. **See POC here**.
- Wrote and improved **End-To-End Testing** of React Devtools browser extensions with **playwright** testing library.
- Fixed bugs regarding **hashed bundles, workers and chunk files** names using **webpack magic comments**. This improved developer experience.

AVBOT CHARTS | OPEN SOURCE DEVELOPER

Oct 2021 – Nov 2021 | Remote Work

- Wrote the first iteration of **Technical Documentation** for **adding playbooks for Avbot**. Read **here**
- Fixed some bugs in **scraping engine** and also provided logging support in console using **logger**.
- Link: **Avbot Charts**

PERSONAL PROJECTS

YOUTUBE DOWNLOADER API Oct 2021 – Nov 2021

- Created a custom **REST API** for downloading **high quality YouTube videos**.
- Get formats and download links of youtube videos in **under 5 seconds**.
- Created API with **PuppeteerJS, Express** and hosted on **Heroku's node server**.
- Made a website which utilises this API to download videos with **HTML, CSS** and **JavaScript**.
- Link - **Youtube Downloader API | Demo**

VIDEO CHAT APPLICATION Aug 2021 – Sept 2021

- Setup real time communication and peer-to-peer network for calling.
- Established websockets connection on node server.
- Made user interface with ReactJS and material UI design.
- Link - **Video Chat App**

ACHIEVEMENTS

- Achieved a global rank of 877 in Codechef February 2021 challenge.
- Got 1st position out of 1st year students in pepcoding coding competition organized in college.