

RISHABH MALHOTRA

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Education

Thapar Institute of Engineering And Technology

B.E. Computer Engineering

Major Elective: Graph Theory

Patiala, Punjab

May 2018 – May 2022

CGPA: 7.50

Projects

Caucus: A real time collaborative editor [GitHub Live Project](#)

May'21

- Deployed conflict resolution using **CRDT's** while merging two documents when users are collaborating.
- Implemented user authorization using **OAuth 2.0 protocol** in NodeJS.
- Incorporated remote code execution, enabling users to compile & execute code in C++, Java, Python & GoLang.
- Gathered over **5000 registered users, 400,000+ website visits with over 235 stars & 13 contributors** on GitHub.
- [Tech Stack](#) *Typescript, React, NodeJS, WebRTC, PostgreSQL*

Vita: Mentorship Platform [GitHub Live Project](#)

Nov'21

- Vita connect college graduates, alumni, and faculty to revive the culture of mentorship and foster a more connected and engaged community.
- Developed a custom react-component to schedule meetings effectively.
- Integrated WebRTC based peer to peer video conferencing using simple-peer.
- [Tech Stack](#) *React, Express, Typescript, MongoDB, WebRTC*

Code Forces Diary [GitHub Live Project](#)

Dec'20

- Developed a webapp that visualizes user data from codeforces public API into charts & graphs.
- Enables the user to look at a glance all their past code submission.
- Garnered **8000+ website visits and over 60 stars** on GitHub.
- [Tech Stack](#) *React, Redux, D3.js, Typescript*

Experience

Genpact

Full Stack Developer Intern

Sep'20 – Nov'20

- Developed a custom form to streamline the process of entering data that needs to be analyzed.
- Accomplished file uploads, normalization & pre-processing its data before sending it to the spring micro-service.
- [Tech Stack](#) *Typescript, ReactJS, Redux, Material UI, Figma*

Ernst & Young

Software Development Intern

July'20 - Sep'20

- Wrote python scripts to automate the data entry process.
- Used web-scraping to automate updation of over 20,000 business descriptions of publicly traded company.
- [Tech Stack](#) *Python, Pandas, BeautifulSoup*

Joplin

Open Source Contributor

Jan'20 – Apr'20

- Made a re-imagined inline markdown/WYSIWYG editor for Joplin using React.
- Refactored large legacy application code into reusable functional code.
- [Tech Stack](#) *ElectronJS, React, Typescript, SQLite, NodeJS*

Technical Skills

Languages: JavaScript, TypeScript, GoLang, HTML/CSS, C++, SQL, Python, LaTeX

Developer Tools: VS Code, Vim, Git, GitHub, Figma

Technologies/Frameworks: React, Express, Flask, Docker, Azure, Nginx, Websockets, WebRTC

Coding Profiles: [Leetcode](#), [Code Chef](#)