

Vasu Sharma

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WORK EXPERIENCE

GOLDMAN SACHS | SUMMER ANALYST

Bengaluru, IN | June 2021 – July 2021

- Added features to and re-designed the primitive UI for configuring workflows with **React** and **TypeScript** to make it consistent across the firm and reduced the user on-boarding time from 3 weeks to few days.
- Contributed towards firm's next-generation risk management and trading platform.

NANOSTUFFS TECHNOLOGIES | SOFTWARE DEVELOPER

Pune, IN | Jan 2020 - Jan 2021

- Worked on various projects based on Web Scrapping, Web Development, Machine Learning.
- Improved the real time email classification algorithm of **Hotstar** (client of Nanostuffs). Deployed to production.

SOFTWARE DEVELOPMENT SECTION | SOFTWARE DEVELOPER

COEP | Oct 2019 - Present

- Holding the position of **Secretary** of the club.
- Developed web-app for **Indian Medical Association**, android apps for various start-ups, automated tasks for Student Section of college, developed portal for conducting college elections online, conducted sessions on Rest APIs, AWS, deploying MERN stack apps.

EDUCATION

B.Tech. in Computer Engineering

Pune, IN | July 2018 - Present

COLLEGE OF ENGINEERING, PUNE

CGPA: 9.63 | Ranked 2nd out of 800+ students in Second Year B.Tech, COEP.

Intermediate/+2

Jammu, IN | July 2016 - Mar 2018

GOVT. SRML HIGHER SECONDARY SCHOOL, JAMMU

HSC %age : 95.2 | Bagged 8th position in SSC Exam at state level.

PROJECTS

NETCON

REACT NATIVE, ELECTRON, REACT, SOCKET IO, JAVA, NODEJS

Live on **Google Play Store**

Built **Android** and **Desktop** Applications to share files, voice call and text message users connected to the same WiFi network.

The app is completely **server-less** and uses **peer-to-peer** connections for all its functions and works without Internet.

TORRENT CLIENT

JAVASCRIPT, ELECTRON, NODEJS

Developed Torrent Client to **download and upload files** to peers with features like download and upload **speed control**, seeding (works across NAT layer), creating new torrent files. Developed desktop application, also works from CLI.

MILAAP - VIDEO CONFERENCING APP

REACT, NODEJS, MONGODB, WEBRTC

Decentralised audio/video calling application working on peer to peer architecture with minimal interference with server. It supports **video calling**, **screen sharing**, **real time chat**, meeting rooms.

THREADING LIBRARY

C LANGUAGE

Developed Threading Library, providing **one-one** and **many-one** threads, implemented **spin locks**, **mutex locks**.

Wrote own scheduler for scheduling many-one threads. Supports 64 threads.

SKILLS

Programming : C, Java, C++, Python, JavaScript

Databases SQL, MongoDB

Frameworks/ Libraries: Node JS, React, Spring Boot, Electron, React Native

Tools: Git, AWS, Docker, Linux

ACHIEVEMENTS/ EXTRA CURRICULAR

- Winner among 250+ teams at **Bajaj Health Rx Virtual Hackathon** Developed **Milaap**, an app for virtual group video watching experience.
- Google Foobar** : Passed all 5 rounds of Google Foobar coding challenge.