

# Manan Sharma

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## SKILLS

*Front-End Development* : ReactJS, Redux, HTML, CSS

*Back-End Development* : NodeJS, Express, REST APIs

*Databases* : MongoDB

*Languages* : JavaScript, C++, C, Python\*(intermediate)

*HackerRank - Problem Solving* - 4 star

*HackerRank - C Language Proficiency* - 5 Star

## EDUCATION

**Delhi Technological University, New Delhi** — *B.E. in Computer Engineering*

AUGUST 2019 - JULY 2023 (Expected)

CGPA 9.5/10

**Mount St. Mary's School, New Delhi**

APRIL 2018

CBSE XII - 94.6% & CBSE X - 10 CGPA

## EXPERIENCE

➤ **ShopOut- Datacquity Technologies** — *Backend Developer Intern*

JULY 2020 - SEPTEMBER 2020

NodeJS | MongoDB | ElasticSearch

- Accelerated **search query** response times by **25%** across database collections by using *Mongo* aggregations & indexing.
- Modeled & implemented support for **geospatial data** on the backend, including storage & **location-based sorting/search** on stores & businesses.
- Implemented **regex** search using ElasticSearch for indexing multiple MongoDB collections.

➤ **Google Developer Student Club - DTU** — *Full Stack Developer*

JANUARY 2020 - PRESENT

NodeJS | MongoDB | ReactJS

- Established **development workflows for git** for robust project development and *team management*.
- Designed & delivered numerous **responsive & scalable components** built using ReactJS & SCSS.

## PROJECTS

➤ **Finstagram** — *The Instagram Clone*

- Cloned the social networking giant, Instagram, using **MongoDB, Express, ReactJS (v16), Redux & NodeJS**.
- Engineered complex **relational data models**, REST APIs, backend unit tests, geospatial aggregations & developed interactive UI components.

➤ **Verbose** — *Room Based Chat Service*

- IRC like chat application built using **NodeJS, Socket.io & Mustache** for real time *client-server communication* in rooms.
- Established **web sockets over TCP/IP** using socket.io & built responsive frontend components for a robust chat interface.

➤ **Expensify** — *The Expense Manager*

- A webapp to manage your expenses and help you get on budget, built using **Firebase, Express, ReactJS(v15) & NodeJS**.
- Implemented Google OAuth & devised component & store tests using Jest & Enzyme.

## LEADERSHIP & CERTIFICATIONS

➤ **JPMorgan Chase & Co.** - *Software Engineering Virtual Experience*

JULY 2020

**President** - *Matrix Clan, The Computer Club of Mount St. Mary's School*

JANUARY 2017 - AUGUST 2018

**Captain** - *Parkinson House, Mount St. Mary's School*

JANUARY 2017 - AUGUST 2018