

# RATAN KUMAR

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## Education

### Thapar Institute of Engineering and Technology, Patiala

2018-2022

- Computer Engineering (B.E) | CGPA: 8.69

### Aklank Public School, Kota

2017-2018

- CBSE (Class XII), Aggregate: 89.8%

### Army Public School, Jhansi

2015-2016

- CBSE (Class X), CGPA: 10.0

## Skills

C++ | SQL | Python | HTML | CSS | JavaScript | React Js | Django | Flutter | Bootstrap | Git | DBMS | Operating System

## Work Experience

### Editorialist YX India Private Limited | Software Development Engineer

July'22 - Present

- Started Working as a Frontend Developer on the YX dashboard website (Client Management System).

### Editorialist YX India Private Limited | Software Development Intern

Jan'22 - June'22

- Worked as a Front-End developer using the tech stack of React Js, Redux, and Ant design library.
- Completed the first project of a shopping app using React js., Firebase authentication, and mockAPI.io.
- Converted the web app into a **Progressive Web app** (PWA).
- Worked on migrating the YX dashboard website from Ruby on rails to React-based Framework.
- Worked on **HTML, CSS, JavaScript, React js., Redux, Ant-design.**

### Altered Carbon Technologies Pvt. Ltd. | Software Developer Intern

Jan'20 - March'20

- Worked as a Front-End developer and algorithm designer for Strangers chat application with a Flutter application development framework tech stack.

## Projects

### 1. [Exam Idea](#)

[Live Link](#)

An application designed to help students and teachers in analyzing the question papers, get the topic and difficulty wise analysis. Users can also generate sample papers of chosen topics and difficulty levels from our database for their practice.

- Tech stack - **NLP, Python, Machine learning models, Node Js, HTML, CSS, Bootstrap, React js.**
- Utilized various classification-based machine learning models, Natural Language Processing, and software development in Node Js, ReactJS. All are integrated using Node Js framework.

### 2. [Shopping App](#)

[Live Link](#)

A progressive web application that is in form of preferential e-commerce, that allows consumers to directly buy goods of various categories through an interface that provides an online seamless shopping experience.

- Tech stack - **HTML, CSS, Bootstrap, JavaScript, React js, Firebase Authentication, mockAPI.io.**
- Products are updated through Admin controls. Database is created using mockAPI.io to store the information of the products and to retrieve the saved-preferences of the users. Authorization is done through Firebase authentication package. UI is build through React Js FrontEnd framework.

### 3. [Hospital Resource Management System](#)

[Walkthrough Video](#)

Web portal providing Hospital resource sharing systems for public access of information about available resources at district level including hospital inventory. Data visualization is done to make sense of collected data.

- Tech stack - **HTML, CSS, Bootstrap, Django and SQLite.**
- Resources are updated through Admin controls who only control the updation of data. Database is developed through SQLite database management system, It is connected to UI through backend using Django framework, Data visualization is done through Matplotlib library of python.

### 4. [Casual Chat App](#)

Developed a Group chat application, where users can register, login, and start conversing with each other.

- Tech stack - **Flutter app development, Google firebase.**
- Developed application using various stateful and stateless widgets in flutter app development framework to create views (UI). User authentication is done using google firebase APIs. A real-time database of google firebase is used to store and retrieve chats.

## Courses

- [Machine Learning with Python-From Linear Models to Deep Learning \(EDX\).](#)

## Academic and Extracurricular Achievements

- Gate 2021 Qualified, Jee Mains 2018 Qualified, 50000+ score in Interviewbit.