# Amrit Kumar

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**GitHub:** https://github.com/Amrit-star/

## EDUCATION

- **Indian Institute of Technology, Patna**
  *BTech in Chemical Engineering* **CPI: 7.88**     *July 2020 - May 2024 (Expected)*

- **Trident Public School, Muzaffarpur**
  *CBSE Class XII* **Percentage: 93.4**%     *Apr 2018 - Mar 2020*

- **Ramakrishna Mission Vidyapith, Purulia**
  *WBBSE Class X* **Percentage: 94**%     *Apr 2017 - Mar 2018*

## PROJECTS

- **Movie Explorer Web Application**     **Source Code**
  *Aug '23 - Sept '23*
  - Fully responsive web application that displays trending, popular, and top-rated Movies and TV Shows by fetching data in real-time from TMDB's API.
  - Detail page provides information about the title, genre, cast, rating, trailer video, release date, and similar movies.
  - Implemented features like searching, sorting, infinite scrolling, and lazy loading.
  - Technologies used: **HTML, SCSS, JavaScript, ReactJS, Redux**

- **Octant Analysis and Processing**     **Source Code**
  *Prof. Mayank Agarwal, IIT Patna*     *Sept '22 - Nov '22*
  - Identified Octant count, octant transition count, octant longest subsequence count and their time ranges and octant ranking from a dataset (about 30000 rows in XLSX file) containing time, velocity in x, y and z direction.
  - Used **Python** language for logic and **Streamlit** library for Graphical User Interface

- **Doctor Appointment Booking MERN Stack Application**     **Source Code**
  *July '23 - Aug '23*
  - Login and registration page and separate User Interfaces for Users, Admins, and Doctors.
  - Users can apply for doctors and also have the ability to book appointments with registered doctors.
  - Notifications Functionality for Users, Admin, and Doctors and Admin can manage users, doctors, and appointments.
  - Technologies used: **HTML, Bootstrap, React, Redux Toolkit, NodeJS, MongoDB**

## SKILLS/RELEVANT COURSEWORK

- **Programming Languages:** C, C++, Python
- **IT-Constructs:** Data Structures and Algorithms, DBMS, OOPs, Operating System
- **Technologies:** HTML, CSS, Bootstrap, JavaScript, ReactJS, SQL, NodeJS, MongoDB
- **Key Courses:** Programming and Data Structures (CS102), Introduction to Data Science (CS244), Python Programming (CS384), The Complete Web Development Bootcamp (Udemy)

## ACCOMPLISHMENTS

- solved more than **450** DSA problems on **Leetcode**.
- Institute rank **80th** out of 1800 candidates on **GeeksforGeeks**.
- Secured **747th** rank in Starters 82 division 3 and **790th** rank in July Long One 2022 on **Codechef**
- Secured **100/100** marks in Mathematics and Science in Class X board exam