Amrit Kumar

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EDUCATION

- **Indian Institute of Technology, Patna**
  B.Tech in Chemical Engineering **CPI: 7.95**   *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

- **Laptop Price Prediction**   **Source Code**
  Dec '23
  - Performed in-depth Exploratory Data Analysis to uncover patterns, correlations within the dataset and applied feature engineering techniques to improve overall predictive performance.
  - Used Python libraries such as **Pandas, Matplotlib and Seaborn** to create insightful visualizations and **Streamlit** library for building user-friendly interface.
  - Implemented **Linear Regression, Decision Tree and Random Forest** algorithms for the prediction of laptop's price, achieving a accuracy of 89 percent.

- **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**

- **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 book appointment with registered 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 **267th** rank in Starters 108 division 3 on **Codechef**.
- Secured **100/100** marks in Mathematics and Science in Class X board exam.