Ankit Kumar

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EXPERIENCE

ATEN VENTURE | Development Intern
May 2023 – Jul 2023 | Deployed | Link

- Developed a dynamic landing page for ContactGPT using JavaScript and Bootstrap, to enhance user interaction and emphasize their Subscription Model and User Privacy Features.
- Seamless integration with ContactGPT via RESTful APIs. Implemented real-time interactions by crafting efficient API calls, securing communication with token-based authentication.
- Overcame challenges related to data synchronization and user authentication, contributed to project success.

PROJECTS

ALGORITHMIC BOOKING | MERN Stack
Nov 2023 – Dec 2023 | GitHub

- Developed responsive web application for Classroom Booking with Firebase-based User and Admin Authentication
- Implemented Interval Partitioning (Algo) to precisely ascertain the optimal number of required rooms. Additionally, use the Gale-Shapley Algorithm to allocate rooms, aligning with specific seating needs
- Node.js for the backend, created APIs to handle user data integrated MongoDB as the database to store and retrieve data efficiently
- Enhanced user communication with Nodemailer, notifying promptly on successful bookings and allocated rooms,

IMAGE GENERATOR | JavaScript
Mar 2023 – April 2023 | GitHub | Deployed

- Developed interface that provides advanced search about image content using Unsplash API based on algorithms,
- Results based on search-related content and optimized complex queries through intelligent API utilization and algorithms.Achieved a 60% reduction in server load, enhancing overall system efficiency

SORTING VISUALISER | DSA
Sept 2022 - Oct 2022 | GitHub

- a web application for visualizing diverse sorting algorithms, providing an interactive and educational platform for sorting
- Functionality of Data Size Control, and time taken to sort with different algorithms, used CSS, **JavaScript (p5.js)**, and HTML.

BUY AND SELL CONSOLE | Python
Jun 2022 - Aug 2022 | Youtube | Github

- For booking and exchanging a mess Coupon Of College, Extensively used **File Handling and OOPS** concept, verification of OTP(one time Password), confirmation, cancellation in **python (smtplib library)**

MISCELLANEOUS

- Received Institute Merit Scholarship three times for being among top7 % students 2022
- Facebook HackerCup Global rank 3342 in round 2 2023
- ICPC Amritapurisecured rank 1834 in regional 2022
- for Booking and Exchanging a Mess Coupon Of College, Extensively used

EDUCATION

@PRE FINAL YEAR | B.TECH
Metallurgical and Material Science | Minor in Electrical Engineering | IIT ROPAR
CGPA: 7.61 | 2021 - 2025

XII BOARDS
87.4% | CBSE | 2019 -2021

X BOARDS
94.6% | CBSE | 2018 -2019
7th District Rank

SKILLS

PROGRAMMING
• C • C++ • Python • JavaScript • HTML

TECHNOLOGY
• React • NodeJs • ExpressJs • MongoDB • MySQL • Windows • FireBase • Git/Github • Arduino Uno • Tinkercad, • Ongoing ML

COURSEWORK

COMPUTER SCIENCE
Data structures and Algorithms, Databases, Operating Systems, Computer Networks,

MATHEMATICS
Calculus, Linear Algebra, Differential Equations, Mathematics, Probability and Statistics.

POR

Additional Secretary @MetSoc
IIT Ropar, May 2023 - Present

CDPC Student Representative
IIT ROPAR Apr 2023 - Present

Co-Head Developer and IT Team
Tech fest ADVITYA 2024

Event Co-ordinate MetaClix Tech fest ADVITYA 2023

LINK

Coding Profile : **Codeforces** || **CodeChef** || **GeekForGeeks**
Github: **ankit3388**
LinkedIn: **AnkitKumar**