

AKSHAY KUMAR

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Education

Institute of Engineering and Technology

Bachelor of Technology in Computer Science Engineering

Dec'21 – Jun'25

CGPA - 8.23 Lucknow, Uttar Pradesh

Projects

Evently [\[Link\]](#) | MERN Stack Application

Aug 2024

- Designed an interface for users to select and submit availability, including date and time slots, while allowing users to Create, Read, Update and Delete upcoming schedules.
- Built a dashboard to manage user profiles, assign fixed schedules, oversee upcoming schedules, and handle schedule entries with conflict prevention mechanisms.
- Implemented robust scheduling features with real-time conflict checks, ensuring seamless coordination and efficient schedule management.

Customer Segmentation and Transaction Analysis [\[Link\]](#) | Machine Learning

Oct 2024

- Data Preparation and Aggregation:** Extracted actionable insights, such as customer spending trends and purchase patterns, enhancing data readiness for analysis.
- Advanced Clustering Techniques:** Implemented K-Means for primary segmentation and DBSCAN for density-based grouping, enabling the identification of key customer groups and outlier detection.
- Insightful Reporting:** Created in-depth reports on customer segment characteristics, providing actionable strategies for personalized marketing and improving customer retention rates.

Sorting Visualizer [\[Link\]](#) | HTML, CSS, Javascript

Jan 2024

- Implemented sorting algorithms in JavaScript, enabling users to visualize the step-by-step process of each algorithm in real-time.
- Designed and developed the user interface using HTML and CSS, ensuring clarity and ease of use for users.
- Incorporated customization options for array size and animation speed, providing users with flexibility in their visualizations.

Achievements

Specialist on Codeforces with maximum rating of 1440.

Knight on Leetcode with maximum rating of 1859.

3 Stars on Codechef with maximum rating of 1693.

AIR 407 in CodeKaze 2024 among 65000+ participants.

Global Rank 174 in Starters 123 , Div. 3 rated contest on Codechef.

Global Rank 282 in Starters 89 , Div. 4 rated contest on Codechef.

Global Rank 588 in Starters 96 , Div. 3 rated contest on Codechef.

Global Rank 777 in Starters 95 , Div. 3 rated contest on Codechef.

Global Rank 936 in Starters 124 , Div. 2 rated contest on Codechef.

Flipkart Grid 5.0 shortlisted among 4 Lakhs+ candidates participating in a hackathon conducted by Flipkart.

Zonal Rank 3 in Science Olympiad Foundation (SOF) conducted National Cyber Olympiad.

Solved 1000+ problems on Data Structures and Algorithms across various platforms.

Technical Skills

Languages / Frameworks: C++, Python, HTML, CSS, Javascript, MongoDB, React.js, SQL

Developer Tools: VS Code, Sublime Text, GitHub

Data Structures And Algorithms: Problem Solving and Logic Building

Clubs / Societies

Fractal - Coding Club IET Lucknow

Sept' 2022 – Present

Actively participated to gain experience in the field of competitive programming.

Google Developer Student Club

Sept'23 – Present

Collaborated and attended workshops on the latest technologies in web development.