

Mayank Agarwal

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EDUCATION

National Institute of Technology, Uttarakhand

Srinagar, Uttarakhand

Bachelor of Technology in Electronics and Communication Engineering | CGPA : 8.64/10

Aug. 2021 – Present

Kendriya Vidyalaya Lansdowne

Lansdowne , Uttarakhand

Senior Secondary Education | 98.8%

Kendriya Vidyalaya Lansdowne

Lansdowne, Uttarakhand

Secondary Education | 96.66%

TECHNICAL SKILLS

Languages: C++, SQL, JavaScript, HTML/CSS

Frameworks and Technologies: Node.js, Express.js, React, Next.js, Bootstrap, MongoDB

Tools: Git, GitHub, Postman, Clerk

COURSEWORK

- Data Structure and Algorithms.
- Software Engineering , Database and Management System.
- Computer Organization, Computer Networks
- Probability and Numerical Methods.

TECHNICAL PROJECTS

AI Interview Mocker | *Next.js, Express.js, Google Gemini AI, Clerk, Tailwind CSS* | View Application

- Built a fully responsive AI-powered interview platform using Next.js for simulating technical interviews.
- Engineered a question generation system using Google Gemini AI, customized to each user's job profile and resume.
- Implemented secure user authentication using Clerk, ensuring seamless and protected user access.
- Provides detailed feedback including user answers, expected answers, and areas for improvement.
- Enabled users to view and retake previous mock interviews, facilitating continuous improvement and preparation.

Virtual Labs | *HTML, CSS, JavaScript, Node.js, Express.js, MongoDB, CanvasJS, Particle.js, EJS* | View Application

- Created an online virtual lab for basic electronics experiments, improving student engagement and understanding.
- Utilized CanvasJS for real-time graph plotting of experimental results, enhancing data visualization.
- Engineered the back-end with Node.js and Express.js, ensuring robust and efficient server-side operations.
- Designed custom circuit simulations to assess student's circuit design proficiency.

Evently | *Next.js, Clerk, Stripe, MongoDB* | View Application

- Developed a high-performance event management platform using Next.js.
- Designed an intuitive search feature for users to quickly find specific types of events.
- Integrated Stripe for secure ticket purchasing.
- Facilitated easy event creation and management for users.
- Leveraged advanced features of Next.js for server-side rendering and optimized performance.
- Utilized MongoDB for efficient storage and management of event data and user information.

ACHIEVEMENTS

- Completed 1,000+ coding problems, proving technical proficiency and algorithmic expertise.
- Achieved 40th place in a gfg contest (2,500 participants) and 3,200th in Codeforces Round (11,000 participants).
- Maintained a 389-day streak on gfg (ranked 1st in the institute) and a 110-day streak on LeetCode.
- Qualified for the Pre-Regional Mathematical Olympiad, showcasing advanced mathematical abilities.
- Ranked in the top 1.5% among KV students in the All India Senior School Certificate Examination, 2021.

POSITION OF RESPONSIBILITY

Student Placement Representative

Nov 2023 –Present