

Yash Kumar Aggarwal

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EDUCATION

KIET Group of Institutions

Bachelor of Technology in Computer Science Engineering, 9.1 CGPA

Ghaziabad, UP

Nov 2022 - Present

Lord Mahavira Academy

Senior Secondary School, 93%

Saharanpur, UP

March 2006 - March 2021

PROFESSIONAL EXPERIENCE

Lead Web Development Coordinator

June 2023 - Nov 2024

Kinesis Technical Society (KTS), KIET Group of Institutions

- Mentored over 70 first and second-year students in web development, fostering hands-on learning and practical skills.
- Organized 5+ workshops and training sessions, enhancing students' understanding of modern web technologies and best practices.
- Led the development of a project that increased society website traffic by 30%.

PR Head: NASA Space App Challenge Ghaziabad(KIET)

Oct 2024

KIET group of Institutions

- Successfully coordinated all phases of the NASA Space App Challenge, from planning to execution, ensuring a seamless experience for over 200 participants.
- Facilitated effective communication and collaboration among team members, optimizing event efficiency and achieving event objectives.

Technical Head

Nov 2024 - Present

KIET Technical Society (KTS), KIET Group of Institutions

- Spearheaded technical operations and projects, overseeing the execution of innovative tech initiatives and workshops..
- Led a team of 25 technical members to design, develop, and implement cutting-edge solutions for various events and competitions.

Buddy Mentor

Oct 2024 - Present

Team ServiceSphere, KIET Group of Institutions

- Provide guidance and support to team members, helping them navigate team processes and enhance their skills.
- Serve as a resource for team members, offering advice, feedback, and encouragement to help them succeed in their roles.

KEY PROJECTS

StudyNotion(An Edtech Platform) | HTML, CSS, JavaScript, Node.js, Express, MongoDB, Cloudinary

- Designed a scalable and secure backend architecture to accommodate growing user demands and ensure data protection.
- Integrated interactive elements such as video lessons, quizzes, and discussion forums to enhance student engagement and learning experiences.
- Developed tools for tracking student performance, providing teachers with insights and personalized feedback to improve educational outcomes.

Voxera(A Real-time Communication Website) | React.js, Node.js, Express, MongoDB, Socket.io, WebRTC

- Created a WhatsApp clone using React and Vite for the frontend, and Node.js/Express for the backend, delivering seamless **real-time messaging** capabilities.
- **Integrated Socket.IO** for real-time communication, featuring instant messaging, typing indicators, and message read receipts.
- Implemented **user authentication with JWT** and secure login mechanisms, ensuring privacy and data protection for users.

CodeHive(A Knowledge-Sharing Platform for Developers) | *React.js, Node.js, Express, MongoDB, Socket.io*

- **Developed a full-fledged QnA platform** enabling developers to ask and answer programming-related questions.
- **Implemented a secure backend** with Node.js, Express, and MongoDB for efficient data handling.
- **Integrated authentication**, voting system, tags, and a search functionality for enhanced usability.

Kinesis Technical Society (KTS) Website | *React, Node.js, Express, MongoDB, Tailwind CSS*

- **Developed a full-stack web application** for Kinesis Technical Society, featuring a responsive frontend crafted with React and styled using Tailwind CSS.
- Implemented a **robust backend** with Node.js and Express, effectively managing user data and providing dynamic API endpoints.
- Integrated **user authentication and authorization** to ensure secure access to society resources and events.
- Enabled comprehensive **event management features**, allowing users to create, update, and manage events efficiently.

Snake Game | *HTML, CSS, JavaScript*

- Developed a **classic arcade game** where players control a snake that grows longer by consuming food while avoiding collisions with walls and itself.
- Designed the game to increment the score with each food item consumed and display the current score on-screen, along with tracking the highest scores achieved.

PORTFOLIO WEBSITE

Link : <https://portfolio-2-git-main-yash-kumar-aggarwals-projects.vercel.app/>

TECHNICAL SKILLS

Programming Languages : Python, C/C++, Java, JavaScript, TypeScript, HTML/CSS

Frameworks : React.js, Next.js, Express.js, Node.js, Tailwind CSS, Framer Motion

Developer Tools : VS Code, Visual Studio, PyCharm, Git, GitHub

DataBases : MongoDB, Oracle, SQL, PostgreSQL

Cloud Services : MongoDB Atlas, Cloudinary

Libraries : Pandas, NumPy, Matplotlib

Tools : MongoDB Compass, Postman, Power BI

ACHIEVEMENTS

- **Finalist** in Hackhound 2.0 and Innotech 3.0, demonstrating exceptional project innovation and technical skills.
- **Solved over 400 algorithmic and data structure problems** on LeetCode, enhancing proficiency in problem-solving and coding efficiency.
- Actively contributed to **innovative projects** during the Departmental Level Innotech Fest 2023, Innotech Fest 2024, showcasing creativity and collaboration.