

YASH RAJ GUPTA

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Education

National Institute Of Technology, Meghalaya

Nov 2021 – May 2025

Bachelor of Technology in Computer Science and Engineering

CGPA: 9.97

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Operating Systems
- Software Engineering
- Database Management
- Computer Networks
- Computer Architecture

Experience

Incanus Technologies (Newton School)

Jun 2024 – Aug 2024

Technical Program Intern

Bangalore, Karnataka

- Partnered with product and academic teams to identify user pain points, formulated strategies, and optimized the learning product, driving a 1.75x increase in placement rates.
- Engineered comprehensive academic content using React.js, Node.js, and MongoDB, empowering over 500 users.
- Authored a comprehensive training manual on integration procedures that became the go-to resource for over 15 team members; initiative streamlined workflows and enhanced overall training efficiency by reducing onboarding time by 30%.

Ransh Innovations

Dec 2023 – May 2024

Web Developer Intern

Remote

- Constructed and launched an educational platform focused on enhancing English vocabulary skills, leveraging React, Node.js, Express, and Firebase, resulting in a 30% increase in user engagement.
- Designed and augmented both frontend and backend systems, ensuring a seamless and user-friendly experience, supporting over 1,000 active users within the first three months.

Varistor Technologies

Jun 2022 – Nov 2022

Full-Stack Developer Intern

Remote

- Architected and implemented a bulk messaging platform with a React.js frontend and Node.js/Express.js backend, streamlining communication for over 2,000 users, and boosting message delivery speed by 40%.
- Enhanced the admin panel with React.js and improved design using Tailwind CSS, ensuring a 25% improvement in user efficiency and achieving 99.9% deployment stability.

Projects

Auditor - AI-powered PDF Analyser | *Next.js 14, Prisma, OpenAI, Stripe, ShadCN UI, Tailwind*

Jul 2024

- Built a SaaS platform using Next.js and tRPC to deliver an AI PDF analyzer with OpenAI, enabling real-time Q&A for 100+ users.
- Integrated Stripe for robust payment solutions, ensuring 100% secure transactions.
- Crafted an intuitive interface with ShadCN UI and Tailwind CSS, elevating user engagement by 40% and decreasing bounce rates by 25%.

Scientia - LMS Portal | *Next.js 14, Prisma, PostgreSQL, Mux, Tailwind, ShadCN UI*

Jan 2024

- Architected an LMS portal using Next.js, Prisma, and PostgreSQL, boosting data retrieval by 25% for over 100+ users.
- Implemented video streaming with Mux, decreasing buffering times by 40% and increasing session duration by 35%.
- Orchestrated a responsive UI with ShadCN UI and Tailwind CSS, enhancing user satisfaction by 30% and achieving 95% mobile compatibility.

Amicus - Realtime Chat App | *Next.js 14, Tailwind, Redis, Pusher, NextAuth*

Oct 2023

- Developed the real-time chat application "Amicus" with Next.js and Tailwind CSS, enabling instantaneous updates for over 500 users per second using Redis and Pusher.
- Integrated NextAuth for secure GitHub login, boosting developer onboarding efficiency by 20%.
- Refined the application for superior performance, reducing load times by 35% and increasing user satisfaction by 15%.

Technical Skills

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

Developer Tools: VS Code, Git, Docker, Firebase, MongoDB Atlas, Vite, Postman

Technologies/Frameworks: Linux, GitHub, React.js, Node.js, MongoDB, Redux, Next.js Socket.io, Tailwind, Redis, Restful APIs

Achievements

- B.Tech Batch(2021-25) topper - academic year 2022-23.
- Certified in Microsoft Technology Associate for Python programming, showcasing expertise in scalable applications and algorithms with 150+ hours of hands-on coding practice and project implementation.
- 18th rank in CodeRush Coding Challenge - by AlgoUniversity.