

AAYUSH KUMAR SINGH

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Education

Jims Engineering Management Technical Campus

Nov 2022 - Aug 2026

B. Tech in Computer Science

IIT Madras

Sept 2022 - Aug 2026

BS in Data Science & Programming

Experience

Web Developer Intern | JNU + SAAARP Labs

November 2024 – Present

- Developed a scalable and dynamic web application using React.js, enhancing UI/UX by 25%, collaborating with UI/UX designers to ensure intuitive interfaces.
- Led weekly code reviews, reducing production bugs by 15%, and contributed to designing a scalable backend architecture, boosting deployment efficiency.

Projects

The Interactive Constellation Weaver (Constella) [Click here](#)

- **Technologies:** MERN Stack | React, Node.js, Express.js, MongoDB, Canvas API, Tailwind CSS
- Developed a **full-stack** architecture with **Node.js**, **Express.js**, and **MongoDB**, implementing **RESTful APIs**, secure **user authentication**, and persistent storage for user-generated constellations.

Personal Portfolio Website [Click here](#)

- **Technologies:** HTML, CSS, JavaScript
- Designed and built a **responsive portfolio website** to showcase projects, skills, and achievements, featuring a clean UI, smooth user experience, and a dedicated projects section.

ShapeXplore [Click here](#)

- **Technologies:** HTML, CSS
- Built a structured workout plan website, offering customized training for beginner, intermediate & advanced users.

Skills

- **Languages & Technologies:** Java, C++, JavaScript, Python, SQL
- **Frameworks & Libraries:** React.js, React Native, Node.js, Express.js
- **Tools:** Git, GitHub, VS Code
- **Web & Database:** HTML, CSS, MongoDB

Certificates & Extra Curriculars

- **Hacktiv8'23 – 36 Hour Hackathon:** Awarded Consolation Prize for developing the best healthcare-themed app.
- **Certification:** Introduction to Responsive AI, Introduction to Generative AI, Digital Transformation with Google Cloud.
- **President, FitFam Society:** Organized a Tug of War event with 20 teams and 120+ participants & led a team to manage event execution, participant engagement, and rule enforcement.