

YASH AGARWAL

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Education

Indian Institute of Information Technology, Kota

August 2023 – May 2027

Bachelor of Technology in Computer Science

Kota, Rajasthan

Relevant Coursework

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

Projects

Ayurvision | *React.js, Tailwind CSS, Node.js, MongoDB, TensorFlow.js, OpenAI API*

[GitHub](#)

- Developed a health analysis platform integrating modern AI with Ayurvedic principles, achieving 85%+ model accuracy.
- Enabled 100+ users to upload health images for real-time analysis and personalized Ayurvedic suggestions.
- Designed dashboards used by 2+ specialists to access detailed patient history and AI-generated insights.

Fraud Detection System | *React.js, MongoDB, Kafka, NodeJS, Fast API, Flask, ML Model*

[\(Link\)](#)

- Built an AI-powered fraud detection system with 92%+ accuracy on real-time transaction data.
- Integrated Kafka to process over 10,000 transactions per hour with scalable producer-consumer architecture.
- Reduced false positives by 35% using a hybrid model combining ML and rule-based logic.

BagVati | *Tailwind CSS, Node.js, MongoDB, Express.js*

[\(Link\)](#)

- Developed Bagvati, a full-stack e-commerce application for bags using Node.js, Express, EJS, and MongoDB.
- Collaborated with a team of four developers to design and implement Bagvati's user interface, resulting in positive feedback from 30+ users and recognition as a top project.

Experience

Team Green Organization

August 2025 – Present

Full Stack Web Lead

IIIT Kota

- Designed and maintained web platforms for 5+ Team Green campaigns, enhancing user engagement and visibility.
- Spearheaded the digital execution of eco-friendly events, driving participation from over 150 students.
- Coordinated event logistics and volunteer tracking systems, improving overall operational efficiency by 30%.

Codebase (Technical Club)

August 2024 – Present

Coordinator

IIIT Kota

- Led the development of 3+ web projects for Codebase, driving a 40% increase in member engagement and collaboration.
- Enhanced SEO and accessibility across web content, resulting in a 35% boost in reach and user interaction.

Applogika

August 2025 – Present

Full Stack Developer

IIIT Kota

- Delivered 2+ projects at Applogika, helping improve user experience and increasing customer satisfaction by 15%.
- Worked closely with teams to complete projects 20% faster, leading to happier clients and smoother workflows.

Technical Skills

Languages: Python, C, C++, JavaScript, SQL, TypeScript, Solidity, Java

Web Technologies: React.js, TailwindCSS, Node.js, Express.js, MongoDB, Next.js

Tools & Platforms: VS Code, Git, GitHub, Postman, Linux

Other: Canva, Adobe Photoshop, Figma

Leadership / Extracurricular

Secured 1st Runner-Up out of 100+ teams at **IIT Jodhpur's DevQuest 2025**, demonstrating team collaboration.

Ranked Top 10 out of 300+ teams in **DTU's Execute 4.0 Hackathon**, excelling

in high pressure innovation.

Achieved Top 10 position at **Hack the Chain 2.0**, IIIT Kota's flagship hackathon with 40+ national teams.

Organized 3+ tech events across college fests and clubs, driving participation from 200+ students and enriching campus engagement.