

Himanshu Rai

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Education

AJAY KUMAR GARG ENGINEERING COLLEGE | *Computer Science*

BATCH (2022 - 2026)

Coursework: DBMS, Computer Network, OOPS with C++, Data Structures & Algorithm, Operating System

Experience

Computer Society of India | Frontend Developer

April 2023– Present

- Built a dashboard for CSI admins to create, update, and manage tech event registrations.
- Led frontend development for CSI web platforms including event pages, dashboards, and portfolios using React and Tailwind CSS.

Certifications

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- UDEMY - Full Stack Web Development [certificate](#)
 - INFOSYS - Python Programming certificate
 - INFOSYS - Fundamentals of Machine Learning with scikit-learn certificate

Projects

Skin Disease Detection Web App | *React, Flask, TensorFlow, REST API, Tailwind CSS*

- Built a responsive web app that detects skin diseases using image classification.
- Integrated a CNN-based ML model served via Flask to perform predictions on uploaded images.
- Implemented RESTful communication between frontend and backend with real-time result display.
- Optimized UX with loading indicators, error boundaries, and mobile-first design.
- Hosted on Vercel (Frontend) and Render (Backend).

Pizza Delivery Web App | *React, Redux, Express.js, JWT, MongoDB, Tailwind CSS*

- Built a responsive full-stack pizza ordering app with dynamic cart, order tracking, and user authentication.
- Managed global state using Redux and integrated RESTful APIs for menu, cart, and orders.
- Designed mobile-first UI with Tailwind CSS and implemented secure login with JWT-based auth.
- Deployed on Vercel (frontend) and Render (backend) with fully functional routing and order management.

Handwritten Digit Recognizer | *React, Flask, TensorFlow, CNN, Tailwind CSS*

- Built a digit recognition web app using a CNN trained on the MNIST dataset to classify user-drawn digits.
- Implemented preprocessing pipeline (resizing, grayscale) and deployed model with TensorFlow.
- Designed a canvas-based drawing interface in React; integrated real-time prediction with a Flask backend.
- Deployed app using Vercel (frontend) and Render (backend) for full accessibility.

Technical Skills

Languages: C, C++, Javascript, Typescript, Python, HTML, CSS

Technologies: React.js, React Native, Express.js, Nextjs, AWS, Git, GitHub, MongoDB, PostgreSQL

Concepts: Authentication (JWT), Socket.io, Websockets, WebRTC, Microservices, Version Control, SSR, CSR