Ridhima

Full Stack Developer

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Summary

Full Stack Developer skilled in React, JavaScript, HTML, CSS, Tailwind CSS, and PostgreSQL. Passionate about building user-focused web applications with clean architecture, responsive design, and efficient backend systems. Experienced in teamwork, version control, and deploying scalable solutions.

Education

B.Tech in Computer Science and Engineering 2023 – 2027
Invertis University, Bareilly, Uttar Pradesh *CGPA: 8.8 / 10*

Skills

Programming & Scripting: Java, JavaScript, C, C++, Python, SQL
Frontend Development: React, HTML, CSS, Tailwind CSS
Backend & Database: Node.js, Express.js, PostgreSQL
Frameworks & Tools: MERN Stack, Git, VS Code

Projects

AI Hand Sign Interpreter | ***Python, OpenCV, MediaPipe***

- Developed an AI-based real-time gesture recognition system translating hand signs into readable text.
- Enhanced user accessibility for individuals with hearing or speech impairments through intuitive interface design.

Wellness Website | ***HTML, CSS, JavaScript***

- Created a fully responsive health and wellness platform providing self-care tips, blogs, and user engagement features.
- Optimized website load time and enhanced SEO performance using semantic HTML structure.

TrackItEasy – Syllabus Tracker | ***HTML, CSS, JavaScript***

- Developed a web-based syllabus tracker allowing students to monitor topic completion dynamically.
- Added search and auto-scroll functionality for quick navigation to specific subjects or topics.
- **Live:** ridhima1212.github.io/TrackItEasy/

Cancer Detection System (CNN) | ***Python, TensorFlow, Keras***

- Built a deep learning model to classify cancerous vs. non-cancerous cells from histopathological images.
- Applied data preprocessing, augmentation, and dropout techniques to improve model robustness.
- Evaluated performance using accuracy, confusion matrix, and ROC curves to ensure clinical reliability.

Experience

Full Stack Developer (Internal Institute Project) Sep 2025 – Dec 2025
Smart India Hackathon (SIH) *React, Tailwind CSS, PostgreSQL, Python*

- Collaborated with a team to design and build a scalable internship management system.
- Integrated authentication, form validation, and email notifications using Node.js and PostgreSQL.
- Enhanced frontend responsiveness, reducing page load time by 30% using optimized React components.
- Presented project successfully at SIH showcasing end-to-end functionality and user-centered design.

Google AI/ML Virtual Internship May 2024 – Jun 2024
Google (Virtual Internship Program)

- Completed training in machine learning pipelines including supervised and unsupervised algorithms.
- Worked on model building, data preprocessing, and evaluation using TensorFlow and scikit-learn.
- Gained hands-on experience in applying ML concepts to solve real-world data-driven challenges.

Awards & Certifications

- MERN Stack Development Certification
- Machine Learning Fundamentals Training
- Mobile App Development Training