Rahul Gogra

Full Stack Web Developer | AI Enthusiast | Cybersecurity Advocate

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Professional Summary

Computer Science student with experience in full-stack web development, AI projects, and cybersecurity. Worked with 6+ programming languages and frameworks, built 10+ web applications, and achieved up to 60% performance gains by applying efficient tools and techniques.

Education

B.Tech in Computer Science and Engineering   2022 – 2026
Indian Institute of Information Technology, Manipur

- **Key Coursework:** Data Structures and Algorithms, Operating Systems, Artificial Intelligence & Machine Learning, Database Management Systems, Web Development, Computer Networks

Professional Experience

Backend Development Intern   May 2024 – Aug 2024
Blueplanet Info Solutions (Remote)

- Engineered a full-featured event management system using PHP, MySQL, HTML, and JavaScript
- Secured user workflows with robust authentication, session handling, and role-based access control
- Integrated email and SMS notifications, enhancing user engagement by 35%
- Reduced server response time by 40% through SQL query optimization and indexing strategies

Technical Projects

NeuralDoodle - AI Image Classification Tool   Feb 2025 – May 2025
Technologies: Next.js, TypeScript, TailwindCSS, TensorFlow.js

- Built a browser-based image classifier supporting real-time webcam input with over 90% accuracy
- Trained and deployed a KNN classifier using MobileNet embeddings to support 5+ dynamic user-defined classes
- Designed an intuitive interface adopted by 100+ testers for live model training and prediction visualization
- Achieved 60% lower latency by executing training entirely client-side without server requests
- Live Demo: neuraldoodle.vercel.app

Algorithm Visualizer   Apr 2024 – Jul 2024
Technologies: React, D3.js, JavaScript, CSS Animations

- Developed an interactive web app to animate 10+ algorithms, enhancing conceptual clarity for students

- Illustrated complex logic of 5+ sorting and pathfinding algorithms (e.g., Merge Sort, A*) through real-time visuals

- Optimized UI/UX design, resulting in a 35% increase in user interaction during testing sessions

- Live Demo: algorithm-visualizer-umber.vercel.app

Technical Skills

- **Programming Languages:** JavaScript, TypeScript, PHP, C/C++, SQL

- **Frontend Development:** HTML5, CSS3, React.js, Next.js, Bootstrap, TailwindCSS

- **Backend Development:** Node.js, Express.js, PHP

- **Database Technologies:** MongoDB, MySQL, Firebase

- **Developer Tools:** Git, GitHub, VS Code, Chrome DevTools, Postman

- **Other Skills:** RESTful API Integration, Data Structures & Algorithms, UI/UX Design Principles

Leadership & Activities

- **Cybersecurity Club Lead** (2025) - Organized a Rs.5000 prize pool Capture the Flag (CTF) competition

- **AI/ML Project Showcase** (2025) - Presented real-time image classification project using TensorFlow.js

- **EV Tech Symposium Presenter** (2024) - Top performer in presentation on future of eco-friendly transportation

- **Workshop Participant** (2023) - Completed training in Ethical Hacking and Cyber Forensics at IIIT Manipur

Certifications

- Responsive Web Design Certification – freeCodeCamp

- JavaScript Algorithms and Data Structures – freeCodeCamp

- Version Control with Git – Coursera (Atlassian)

- Web Development for Beginners – Microsoft Learn

- Introduction to Web Accessibility – edX (W3C)

- Programming Foundations with JavaScript, HTML and CSS – Coursera (Duke University)