

Kamal Gupta

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EDUCATION

Maharaja Surajmal Institute of Technology

Bachelor of Technology in Information Technology (CGPA: 9.03/10.0)

Aug. 2024 – Jun. 2028

New Delhi, India

TECHNICAL SKILLS

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

Frontend: React.js, HTML5, CSS3, Tailwind CSS

Backend: Node.js, Express.js, Express.js, REST APIs, Socket.io

Database & Cloud: MongoDB, Cloudinary, Supabase, MySQL

AI/ML: YOLOv11, OpenCV, TensorFlow, PyTorch, LangChain, NLP, Computer Vision, LLM APIs

Tools & Platforms: Git, GitHub, Postman, VS Code, Eclipse, Render

Core CS: Data Structures & Algorithms, OOPs, DBMS, Operating Systems, Computer Networks

EXPERIENCE

SingleTap

Gen AI Intern

Jun 2026 – Present

Remote

- Developed AI-powered applications using LLM APIs, prompt engineering, and GenAI frameworks.
- Built intelligent workflows for content generation, document processing, and information retrieval.
- Collaborated on integrating AI features into production applications, improving automation and user experience.

PROJECTS

Wanderlust - Travel Booking Platform | *MongoDB, Express.js, React.js, Node.js* | [Live Demo](#)

Jul 2025

- Developed a full-stack travel accommodation platform inspired by Airbnb with authentication and property listing features.
- Implemented REST APIs, image uploads, booking management, and responsive UI for seamless user experience.

YOLOv11 Image Detection System | *Python, OpenCV, YOLOv11, Streamlit* | [Live Demo](#)

Mar 2026

- Built an AI-powered real-time object detection system using YOLOv11 for image-based object recognition.
- Integrated OpenCV-based preprocessing and optimized inference performance for accurate multi-object detection.

My-chat-APP - Real-Time Chat Application | *React.js, Node.js, Socket.io, MongoDB*

Dec 2025

- Developed a real-time messaging application with instant communication using Socket.io technology.
- Implemented secure authentication, persistent chat storage, and responsive user interface for smooth interaction.

AI Resume Analyzer | *React.js, Node.js, Groq API*

Jan 2026

- Created an AI-powered resume analysis platform for ATS scoring and skill-based resume evaluation.
- Integrated LLM APIs for resume feedback generation and intelligent job-role matching recommendations.

RESEARCH & PUBLICATIONS

Artificial Neural Networks for Fashion Product Classification

Feb 2026

- Published a research paper on GPU-optimized ANN models for fashion product classification using the Fashion MNIST dataset.
- Built a multi-layer neural network using PyTorch and CUDA, achieving 89.7% validation accuracy with significant GPU acceleration.
- Implemented dropout regularization and optimized training strategies to improve model generalization and computational efficiency.

COMPETITIVE PROGRAMMING

- Solved 500+ DSA and competitive programming problems across platforms including LeetCode, GeeksforGeeks, and Code360.
- Strong understanding of advanced algorithms and data structures including Dynamic Programming, Graph Algorithms, Trees, Recursion, and Binary Search.
- Proficient in problem-solving using J, focusing on optimization techniques and efficient algorithmic approaches.

CERTIFICATIONS

- Data Structures and Algorithms (DSA) Certification | Coding Ninjas
- Machine Learning Certification | Vedam School of Technology