

Kriti Porwal

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EDUCATION

- VIT Bhopal University, Bhopal** September 2022 - May 2026
Bachelor of Technology in Computer Science | CGPA: 8.83
- Heritage International School, Kanpur** May 2022
Higher Secondary Certificate (CBSE Board) | Percentage: 82.60%
- Shri Ram Public School, Kanpur** May 2020
Secondary School Certificate (CBSE Board) | Percentage: 94.50%

TECHNICAL SKILLS

Languages: JavaScript, Python, Java, C++

Web Development: React.js, Next.js, Tailwind CSS, JavaScript, HTML5, CSS3, Node.js, Express.js, REST APIs

Dev Tools & Version Control: Git, Docker, Visual Studio Code, Postman, GitHub

CS Fundamentals: Data Structures & Algorithms, OOP, Operating Systems, DBMS, Computer Networks

EXPERIENCE

- AI Intern – Edunet Foundation** (AICTE, Microsoft & SAP), Remote January 2025 – February 2025
- Spearheaded the implementation of AI workflows on ComfyUI, decreasing workflow completion times by 20% and improving image quality by 8% using a refined image processing pipeline.
 - Revamped image processing workflows, enabling seamless stability improvements and producing ~2,500 images weekly with consistent quality.

PROJECTS

MindfulChat – Mental Health Chatbot | [Github](#)

Tech: HuggingFaceTransformers, PyTorch, Flask, Google Gemini API, Node.js, Express, MongoDB

July 2025

- Designed and deployed a full-stack chatbot using BERT sentiment analysis and Google Gemini AI, tested with over 300 user interactions to deliver empathetic, context-aware responses.
- Implemented crisis keyword detection with automated helpline suggestions, improving reliability during 50+ simulated high-risk conversations.
- Built a secure Node.js and MongoDB backend with JWT authentication and an admin panel to manage 100+ test users, chat histories, and sentiment tracking effectively.

SmartRoute Pathfinder - Full-Stack Route Optimization Platform | [Github](#)

Tech: React.js, Node.js, Express.js, MongoDB, Tailwind CSS, Dijkstra's Algorithm

September 2025

- Optimized UI loading by implementing lazy loading techniques, decreasing average load time by 25%, and enhancing user experience on the station management platform.
- Developed full-stack app (React, Node.js, Express, MongoDB) with 5+ REST APIs, distance/cost optimization, and CRUD operations for 100+ stations.
- Implemented Dijkstra's algorithm in JavaScript with $O(n \log n)$ complexity, achieving 60% faster route calculations for weighted graph pathfinding and optimal route determination.

CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 Generative AI Professional**
- IBM Blockchain Developer** - Earned Blockchain Developer certification from IBM Career Education Program

ACHIEVEMENTS

- Won First Place in Urja Shakti Write-up Competition (UG Category)** by developing 7 presentation slides and presenting to 3 senior panelists, earning Rs. 30,000 prize money
- National Semi-Finalist in Flipkart GRiD 7.0** by advancing to top 48 among 1.4+ lakh participants in India's flagship engineering campus challenge

EXTRACURRICULAR ACTIVITIES

Core Member, Data Science Club

- Leveraged machine learning techniques to analyze customer churn data, identifying key predictors and developing targeted strategies decreased churn rate by 15% within six months.

Core Member, Software Development Club

- Led cross-functional teams building innovative web applications, mentored 50+ junior developers, and architected scalable solutions, increasing project efficiency by 40%.