Krati Madhwani

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Education

VIT Bhopal University, Madhya Pradesh *September 2022-2026*
B.Tech in Computer Science
Cumulative GPA: 8.83 / 10

St. Mary's Convent Inter College, Prayagraj
ISC (12th): 88% *July 2022*
ICSE (10th): 96.8% *July 2020*

Skills

Programming Languages: Java (Proficient), C++ (Basic), Python (Intermediate), JavaScript (ES6+), TypeScript
Web Development: HTML5, CSS3, Bootstrap, EJS, React.js, Node.js, Express.js, RESTful APIs
Tools & Platforms: Git, GitHub, VS Code, Postman, PDFKit, Windows, Unix/Linux (basic scripting)
Databases & AI/ML: MongoDB, PostgreSQL, MySQL, Scikit-learn, Pandas, Matplotlib
Core CS: Operating Systems, Computer Networks, Database Management Systems

Projects

PuchAI-Concurr | [Demo]() | [GitHub]() *Aug 2025*

- Built a real-time **AI-powered** currency converter using an **MCP(Model Context Protocol)** server, **integrating with Puch.ai** to deliver instant exchange rate responses **directly on WhatsApp**, serving **150+ global currencies** with millisecond-level latency.
- Leveraged RESTful API integration via **ExchangeRate-API** to fetch live forex data, processed via MCP for high-speed conversions, **reducing manual lookup time by 90%.**
- Optimized performance by caching frequent conversion pairs, **cutting API calls by 40%, and ensuring 99% uptime** for seamless financial assistance on demand.
- **Technologies: Python, MCP Server, ExchangeRate-API, Git, GitHub**

drAIpe | [Demo]() | [GitHub]() *July 2025*

- **Integrated** the **Gemini AI API** to power a chatbot that delivers **real-time, personalized outfit recommendations** based on user preferences, style trends, and live weather data.
- **Engineered seamless communication** between **frontend and AI backend** through **robust API endpoints**, enabling adaptive product suggestions and contextual interactions.
- Developed a **full-stack fashion e-commerce platform** using **React.js, Node.js, and MongoDB**, featuring **responsive UI**, secure login, wishlist, and smart cart functionality.
- **Technologies: React.js, Node.js, Express.js, MongoDB, JavaScript (ES6+), HTML5, CSS3, Gemini AI API, Git, GitHub**

LinkWink | [Live Site]() | [GitHub]() *Jun 2025*

- Developed a **centralized PDF generator** using **HTML5, CSS3** and **JavaScript**, enabling users to automate the compilation of professional details (**resume, social links, and portfolios**) into a single, shareable document for job applications.
- Implemented a **responsive frontend with JavaScript**, ensuring a seamless user experience across devices while maintaining **modern UI/UX principles.**
- Utilized **PDFKit (JavaScript library)** to dynamically generate structured and well-formatted PDFs, incorporating user-provided data with customizable templates for different job roles.
- **Technologies: HTML5, CSS3, JavaScript, PDFKit, Git, GitHub**

Internships

The Cyber Delta | [Link]() *Nov 2022 – Feb 2023*
Technical Writing and Public Outreach Intern – Authored and optimized 15+ cybersecurity awareness articles on topics like phishing prevention and secure browsing and increased monthly engagements across organizational platforms.

Activities

IoT Club, VIT Bhopal *July 2023 – Feb 2024*
Event Management Team – Planned and executed 2 major technical events, coordinating speaker sessions and live Q&A panels that increased attendee satisfaction by 40% and facilitated 150+ professional connections.

Certificates

- Cloud Computing NPTEL Certification | [Link]() *Apr 2024*
- Simulink Onramp MathWorks Certification | [Link]() *Sep 2022*