

Dev Arora

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Education

VIT Bhopal University, Madhya Pradesh
B.Tech in Computer Science
Cumulative GPA: 8.48 / 10

Sept 2022-2026

Skills

Programming Languages: C++ (Proficient), Python, JavaScript (ES6+), TypeScript

Web Development: HTML5, CSS3, Tailwind CSS, 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, MySQL, Scikit-learn, Pandas, Matplotlib

Core CS Subjects: Computer Networks, Operating Systems, Object-Oriented Programming, Database Management System

Projects

drAIpe | [Live](#) | [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

AuctionHub | [GitHub](#)

June 2025

- Designed and engineered a **full-featured, real-time** auction bidding platform from concept to deployment, enabling users to **dynamically create listings** and engage in live competitive bidding.
- Architected a **responsive single-page application** with a **component-based React structure**, leveraging TypeScript to enforce type safety and significantly **reduce potential runtime errors**.
- Implemented a modern and **intuitive user interface** with **Tailwind CSS**, crafting a seamless and interactive bidding experience with **immediate visual feedback** for all user actions.
- Orchestrated the entire **development lifecycle using Vite** for optimized bundling and a rapid dev server, securing 3rd rank among 150+ participants for its **innovative functionality and robust execution**.
- **Technologies:** React.js, TypeScript, Tailwind CSS, HTML5, Vite, Git, GitHub

Finance and Expense Tracker | [GitHub](#)

Oct 2024 – Apr 2025

- Led a **3-person Agile team** to design and deploy a **full-stack** finance tracker with a microservices architecture, leveraging Node.js, Express.js, and MongoDB to handle **20+ concurrent users**.
- Redesigned **RESTful APIs** to optimize database queries and caching, improving backend **scalability by 30%** (measured via AWS Load Testing).
- Designed, developed, and **deployed a dynamic dashboard** using React.js, implementing real-time expense visualizations (interactive charts, spending trends) and **optimizing API calls** to slash user **data retrieval time by 40%**.
- **Technologies:** Node.js, Express.js, MongoDB, React.js, JavaScript (ES6+), HTML5, CSS3, Git

Achievements

Internal Round Finalist, Smart India Hackathon 2023 | [Certificate](#)

- Competed among top teams in a national-level hackathon, showcasing problem-solving skills and innovative thinking in a high-pressure environment.

3rd Place Winner, Ideathon – Health-o-Tech Club, VIT Bhopal

- Secured a podium finish by presenting a cutting-edge healthcare solution, demonstrating creativity and technical proficiency in a competitive event.

3rd Place Winner, Coding and Project Competition – BucketStudy, Unstop

- Engineered, developed, and launched a dynamic auction bidding platform, outshining 150+ competitors to clinch 3rd place through innovative design, seamless functionality, and compelling presentation.