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EDUCATION

2023 - 2027 B.Tech (Information Technology) at **MGCGV Chitrakoot** (GPA: 8.2/10.0)
2022 - 2023 Class 12th **CBSE** (Percentage: 80.2/100)

PROJECTS

CodePilot - AI-Assisted Code Learning Platform [Live](#) — [GitHub](#)

- Engineered an interactive **AI-powered coding platform** using **Next.js, TypeScript, Tailwind CSS, and Gemini API**, supporting **C, C++, Java, Python, JavaScript, and TypeScript**.
- Integrated **NextAuth (Email + Google OAuth)**, **AI C**, one-click code correction, custom quiz generator, and YouTube API with caching to optimize performance.
- Crafted a **responsive, user-centric interface** featuring resizable panels, blog & notes management (CRUD), and real-time code execution with AI hints and result comparison.

Excalibord – Real-Time Collaborative Canvas App [Live](#) — [GitHub](#)

- Developed a collaborative **Excalidraw-style canvas** using **Next.js, Node.js, Express.js, PostgreSQL, Tailwind CSS, and WebSocket** enabling live multi-user interaction.
- Enabled **URL-based room sharing**, real-time synchronization, and **Google Sign-In authentication** with persistent session and canvas state storage.
- Built advanced drawing features (pencil, shapes, arrows, text) with **undo, clear-all, and multi-room collaboration** in a scalable **monorepo architecture**.

Talkify – Full-Stack Real-Time Chat Application [Live](#) — [GitHub](#)

- Built a full-stack **real-time chat platform** using the **MERN stack (MongoDB, Express.js, React.js, Node.js)**, **TypeScript**, and **Socket.io** for instant text and image-based communication.
- Deployed secure **cookie-based authentication** with session management and customizable user profiles supporting avatar upload and updates.
- Enhanced user experience with a **responsive, theme-adaptive UI** (dark/light modes) optimized for performance across devices.

TECHNICAL SKILLS

Languages: C, C++, JavaScript, TypeScript
Front-End: React.js, Next.js, Tailwind CSS, HTML5, CSS3
Back-End: Node.js, Express.js, MongoDB, PostgreSQL, REST APIs
Core Concepts: OOPs, DBMS, Operating Systems (OS), Data Structures and Algorithms (DSA)
DevOps & Tools: Git, Docker, AWS, Postman, CI/CD Pipelines

CODING PROFILES

LeetCode: Solved **600+ DSA problems**, rating **1500+**.
GeeksForGeeks: Solved **150+ problems**, ranked **Top 5 in college**.