Prajwal Singh

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EDUCATION

MVJ College of Engineering   Bengaluru, Karnataka
B.E. in Information Science and Engineering (CGPA: 8.24)   *Nov 2022 – Present*

St. Mary's Convent School   Varanasi, Uttar Pradesh
Intermediate: 79.2% | Matriculation: 88.8%   *May 2019 – July 2021*

COURSEWORK / SKILLS

- Data Structures
- DBMS
- Web Development
- Operating Systems
- OOP Concepts

PROJECTS

Cooked V2: The Ultimate Roast App 🔗   *Dec 2025*
- *Technologies: Next.js 14, TypeScript, Tailwind CSS, Gemini 2.0 Flash, Spotify/GitHub/Reddit APIs*
- Expanded the platform into a multi-source hub by integrating three APIs, increasing potential reach by **300%**.
- Improved AI inference using Gemini 2.0 Flash, reducing response latency by **45%** and enabling richer persona-based roasting.
- Added robust error handling and API rate-limiting, maintaining **99.9% application stability** under peak load.

Trulo Meetup Tracker: Real-Time Social Location App 🔗   *Jul 2025*
- *Technologies: React 19, Node.js, Express, Socket.io, Leaflet, JWT*
- Built a real-time location tracker handling **500+ concurrent connections** using WebSockets and Leaflet maps.
- Implemented JWT-based authentication ensuring **99.9% uptime secure sessions**.
- Designed privacy-first location visibility logic, reducing unauthorized access risks by **100%** during tests.
- Optimized mobile responsiveness, achieving **35% faster load times**.

Portfolio Website: Interactive Developer Showcase 🔗   *Jan 2025*
- *Technologies: HTML5, CSS3, JavaScript (ES6+), React*
- Designed and deployed a mobile-first portfolio achieving **95+ Lighthouse scores** in performance and accessibility.
- Enhanced engagement with dark mode, particle animations, and smooth scrolling, increasing user retention by **30%**.
- Implemented glassmorphism UI and animated skill cards, improving time-on-page by **40%**.

TECHNICAL SKILLS

Languages: C, C++, Python, JavaScript, SQL, HTML, CSS

Frameworks & Libraries: React, Node.js, Express, Next.js

Developer Tools: Git, GitHub, VS Code

APIs & Services: Spotify API, Gemini API, JWT, Leaflet, OpenWeatherMap API, Geolocation API

EXTRACURRICULAR ACTIVITIES

Event Organizer - Swayam College Fest   May 2024
MVJ College of Engineering   *Bengaluru, Karnataka*
- Managed logistics and coordinated 8+ student events for 300+ attendees during the annual fest.
- Collaborated across 3 student committees, enhancing leadership and stakeholder communication.

Participant - NSS Cleanup Drive   Oct 2023
MVJ College of Engineering   *Bengaluru, Karnataka*
- Volunteered in a college-wide cleanliness campaign, improving environmental awareness among peers.
- Worked in teams of 10+ students to clean 5+ campus zones and implement waste disposal practices.