Ayush Bijalwan

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EDUCATION

- **Vellore Institute Of Technology, Bhopal** — Madhya Pradesh, India
  B.Tech, Computer Science & Engineering — Oct 2022– Oct 2026
  Cumulative CGPA: 8.85
- **Doon International School, Dehradun** — Dehradun, India
  Class XII – CBSE — Apr 2020– Apr 2021
  Percentage: 90.8%
- **Doon International School, Dehradun** — Dehradun, India
  Class X – CBSE — Apr 2018– Apr 2019
  Percentage: 96.8%

SKILLS

- **Programming Languages:** C++, Python, JavaScript, SQL, HTML, CSS
- **Frameworks & Libraries:** React, Next.js, Vite, Tailwind CSS, GSAP, Three.js, Node.js, Express.js
- **Databases & Cloud Platforms:** PostgreSQL, MySQL, Firebase, Supabase, AWS, Netlify, Vercel
- **Developer Tools & Version Control:** Git, GitHub, Postman, VS Code, Vapi

WORK EXPERIENCE

B Mart — Dehradun,India
Freelance Web Developer — Aug 2025 - Present

- Established immediate value by resolving over 15 critical bugs in checkout and payment flows, quickly taking ownership to spearhead the agile development and delivery of 10+ user stories per sprint
- Entrusted to refactor the legacy codebase using modern design patterns, which increased platform scalability by 35% to support surges in concurrent users and improve overall application performance
- Revamped code review process, which improved code maintainability scores by 25% and led to mentorship of two junior developers to improve code quality

PROJECTS

Acadence — LMS SaaS Platform | LINK — Sep 2025 - Present

- Architected and launched a scalable LMS using Next.js and Supabase, supporting 100+ concurrent users and automating subscriptions with Stripe, decreasing customer churn by 7% within the first two months
- Engineered and scaled a real-time AI tutoring feature, integrating Vapi AI to achieve < 200ms response latency while utilizing Vercel and Sentry to ensure 99% system uptime

HOTS — Content Recommendation Platform | LINK — May 2025 - Jul 2025

- Leveraged Firebase Firestore to enable real-time user profile updates and track content interaction, enhancing app responsiveness and fixing four critical bugs reported by beta testers
- Implemented a recommendation engine combining Content-Based Filtering (Cosine Similarity) and Collaborative Filtering (SVD), improving recommendation accuracy by 20% as measured by NDCG@10

CERTIFICATIONS

- Dedicated over 60+ hours to immersive web development training within Angela Yu's Complete 2024 Web Development Bootcamp, solidifying expertise in modern web technologies
- Applied learning from 'The Bits and Bytes of Computer Networking' to optimize a key feature, accelerating performance by 20% and reducing user-reported issues
- Finished AlgoUniversity's Graph Theory Camp and implemented 3 graph data structures from scratch, reducing code runtime by 15 % through optimized graph algorithms, improving efficiency

ACHIEVEMENTS

- Advanced to the semi-finals of Hackon 5.0 (sponsored by Amazon) by conceptualizing and implementing a novel solution that addressed critical challenges, receiving high praise from judges and other participants
- Pitched a novel E-commerce platform to a panel of 7 judges and mentors from venture capital firms at Startup Wreak 2022 held at VIT Bhopal University
- Validated advanced algorithmic proficiency by architecture optimal solutions for 600+ competitive programming problems (LeetCode/Codeforces) involving DP and graph theory