Ayush Bijalwan

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EDUCATION

- **Vellore Institute Of Technology, Bhopal**   Madhya Pradesh, India
  Bachelor of Technology - Computer Science; GPA: 8.79   *November 2022 – November 2026*
- **Doon International School, Dehradun**   Dehradun, India
  Class XII - 90.8%
- **Doon International School, Dehradun**   Dehradun, India
  Class X - 96.8%

TECHNICAL SKILLS

- **Languages:** C++, Python, Java, JavaScript, SQL
- **Frontend:** React, Vite, Tailwind CSS, HTML, CSS, Gsap, Three.js
- **Backend:** Node.js, Python, Flask, Firebase
- **Databases & Platforms:** PostgreSQL, MongoDB, MySQL, AWS, Git, GitHub

PROJECTS

- **Fire-TV-Recommendation-App** — GitHub Link
  - Architected a full-stack Fire TV clone with a **React** and **Tailwind CSS** frontend, and a **Python-Flask** backend serving a REST API.
  - Implemented a hybrid recommendation engine using **Content-Based Filtering (Cosine Similarity)** and **Collaborative Filtering (SVD)**, improving user-recommendation accuracy.
  - Leveraged **Firebase Firestore** for scalable user data management and utilized **Pandas** to efficiently process a large movie data set.

CORE COMPETENCIES

- Designed and deployed scalable full-stack applications, featuring responsive React user interfaces and optimized server-side APIs with PostgreSQL and MongoDB.
- Solved 300+ data structure and algorithm challenges in LeetCode and Codeforces, demonstrating advanced problem-solving and analytical abilities.
- Proficient in modern CI/CD workflows using Git for version control and deployment of applications in cloud environments like AWS, with hands-on familiarity with Docker containerization.
- Experienced in the end-to-end Software Development Lifecycle (SDLC), from requirements analysis to deployment and maintenance, following Agile principles.

HONORS AND AWARDS

- StartupWrek'22 1st position VIT Bhopal University
- Innowave Cognizance'23 IIT Rourkee Participation
- IIT kharagpur Ecell TechVriddhi'17 5th
- Amazon Hackon 5.0 Finalist'25
- Completed Graph Theory Camp by AlgoUniversity

ACTIVITIES CERTIFICATIONS

- Member of the inter-college football team; achieved Runner-Up in Advitya'24 Sports Fest and won the intra-hostel 5-a-side futsal tournament.
- Certified in Web Development and Python via the "100 Days of Code" bootcamp by Angela Yu.
- Completed "Learn Ethical Hacking from Scratch" (Udemy) and "DevOps and Blockchain Fundamentals" (IBM) to build a strong foundation in cybersecurity and emerging tech.