Chayan Sharma

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SUMMARY

- Computer Science Engineering student specializing in **Cloud Computing & Automation** with hands-on experience in **full-stack development, machine learning, and cloud platforms**.
- Built **3+ major projects**, including an ML-powered Medicine Recommendation System, a Streaming Platform, and a Travel Planner with guide booking.
- Proficient in **C, C++, Python, JavaScript, Flask, React.js, Express.js, MongoDB, Firebase, Docker, AWS** with strong problem-solving (**200+ LeetCode problems solved**).

SKILLS

Technical Skills

- Languages: C, C++, Python, SQL, JavaScript
- Frameworks: Flask, Express.js, React.js, Node.js
- Web: HTML, CSS, Bootstrap
- Databases/Tools: MongoDB, Firebase, Retool, Git, Docker
- Machine Learning: scikit-learn, TensorFlow

Soft Skills

- Problem-Solving & Analytical Thinking
- Collaboration & Teamwork
- Adaptability & Deadline Management
- Time Management & Planning
- Communication & Presentation

PROJECTS

- **Medicine Recommendation System** Jul 2024 – Mar 2025
  Flask, scikit-learn, TensorFlow, HTML/CSS/JS
  - Collected and cleaned Kaggle dataset of **5,000+ records** (disease descriptions, symptoms, medicines, precautions).
  - Trained 6 ML models; achieved **100% accuracy** with SVC.
  - Integrated ML model with Flask backend and a custom-built frontend, tested with **50+ mock users**.
  - Designed a symptom-based survey where users input symptoms; system predicts disease and suggests treatment.

- **Streaming Platform** Feb 2024 – May 2024
  React.js, MongoDB, Firebase, HTML/CSS/JavaScript
  - Developed a user-generated streaming platform handling **500+ uploads** and **20+ registered users**.
  - Implemented Firebase for media storage and MongoDB for metadata (profiles, playlists, genres).
  - Reduced video load time by **40%** using lazy loading and chunked uploads.
  - Built recommendation logic that increased session duration by **25%**.

- **Travel Planner Platform** Aug 2023 – Oct 2023
  Express.js, HTML/CSS/JavaScript, Retool (Cloud DB)
  - Created dual login system for **50+ users and guides**, with data stored in Retool cloud DB.
  - Enabled users to plan itineraries, access pre-made plans, and perform hotel bookings via dynamic Booking.com redirection.
  - Built guide profiles with service listings, charges, and availability management.
  - Developed booking workflow with request/approval system and real-time status sync.

EDUCATION

- **VIT Bhopal University** 2022 – Present
  B.Tech in Computer Science Engineering (Cloud Computing & Automation) *CGPA: 8.22/10*
- **DAV Sr. Public School (CBSE)** 2022
  Class 12 (PCM) *90.4%*
- **DAV Sr. Public School (CBSE)** 2020
  Class 10 *89.6%*

ACHIEVEMENTS

- Solved **200+ DSA problems** on LeetCode (ranked in top 15% among peers).
- Reached Level 2 in **EY-Techathon 2024**, placing in top 20% of **1000+ participants**.
- Competed in 10+ inter-school athletics & football events; secured **6 podium finishes**.