Madhuram Kulshrestha

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Summary

Motivated developer with hands-on experience in web development and problem-solving. Focused on creating efficient, user-friendly applications and collaborating effectively to deliver quality results.

Education

VIT Bhopal University, B.Tech in Computer Science and Engineering   July 2022 – July 2026
- Cumulative GPA: 8.83/10 (Transcript)

Shanti Niketan Public School, Agra, Class XII (CBSE)   April 2020 – March 2021
- Percentage: 91.2 (Transcript)

St. Mary's Convent School, Agra, Class X (ICSE)   April 2018 – March 2019
- Percentage: 91.8 (Transcript)

Internship Experience

Technical Intern, Frihbi Enterprises Pvt. Ltd. – Remote   July 2025 – October 2025
- Worked with the team to plan and suggest new features for multiple POS softwares.
- Learned to build simple business tools using no-code platforms and tested features using JIRA.

Data Science Intern, Sabudh Foundation (STPI) – Remote   January 2025 – June 2025
- Built and deployed basic machine learning models for tasks like prediction and classification.
- Improved results by cleaning data and selecting useful features.

Projects

CloakRoom – Real-time Chatting Web Application   GitHub Link
- **Tech Stack:** Node.js, Socket.IO, Kafka, Redis
- Developed a real-time chat system with Socket.IO and Kafka for message streaming
- Implemented Redis caching and basic load balancing for smoother performance
- Added Google OAuth 2.0 and JWT authentication for secure login and user sessions

Videotube – Video Streaming Dashboard   GitHub Link
- **Tech Stack:** Node.js, MongoDB, Cloudinary, Redis
- Created a simple video streaming platform using Node.js, Express.js, and MongoDB.
- Added login/signup with JWT and stored user/video data efficiently.
- Integrated Cloudinary to upload and stream video files online.

Technologies

Languages: C++, Python
Frameworks & Libraries: Node.js, numpy, pandas
Databases & Data Stores: MySQL, PL/SQL, MongoDB, Redis
CS Fundamentals: Data Structures & Algorithms, OOPs, DBMS, OS, Computer Networks
Tools & Platforms: Git, Docker, AWS, MS Office, Jira

Hackathons & Leadership

TCS CodeVita 2024:
- Secured a global rank in the top 0.3% (AIR 671) out of over 200,000 participants.

International Innovation Challenge 2024:
- Finalist team, ranking in the Top 30 globally among 10,000+ competing teams.

Bashcraft Club, VIT-B
- Coordinated and Organized events, speaker sessions, and managed live QA panels for participants.