

# Arnav Sharma

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## PROFESSIONAL SUMMARY

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Full-stack MERN developer with proficient in C++, Python, JavaScript, and NoSQL databases including vector stores. Skilled in building scalable web applications and integrating AI Agents via RAG techniques. Codeforces rating: 1220+, demonstrating modular problem-solving for complex challenges. Eager to drive innovation in fast-paced tech teams.

## TECHNICAL SKILLS

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**Languages:** Python, C++, JavaScript, HTML/CSS

**Backend development:** Node.js, Express.js

**Database:** MongoDB, MySQL, Vector Databases

**Developer Tools :** Git, GitHub, JWT, CI/CD, Postman

## PROJECTS

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**WhisperFix** / *Mern Stack, Mongodb, VITE, Tailwind CSS*, Git [Link](#) September 2025–Present

- Developed cinema-themed platform with dynamic fire-gradient UI.
- Optimized REST APIs, with scalable code and team collaboration
- The website incorporates scalable code, data modeling, and feature design

**Vynix** / *MERN Stack, VITE, Grok 4 Fast API, manim, ffmpeg*, Git (Ongoing) [Link](#) September 2025-Present

- Text to video Generator Using Generative AI, Manim And Ffmpeg.
- Developed LLM-driven prompts for generating Manim code in mathematical animations UI.
- Integrated FFmpeg for rendering and optimizing video outputs from animations.
- Ensured scalable architecture for handling complex math visualization projects.

**RVision** / *Mern Stack, Mongodb, VITE, Clipdrop API, Tailwind CSS*, Git [Link](#) June 2025– August 2025

- Built full-stack platform for AI-generated images, using LLM prompts
- Implemented robust user authentication and React Router for seamless navigation.
- The website incorporates scalable code, data modeling, and feature design

## EDUCATION

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**Chandigarh Group Of Collages, Landran**

*B.Tech, Artificial Intelligence & Data Science*

*Aug. 2022 June 2026*

**Air Force Senior Secondary School**

*Senior Secondary (Class XII)*

*Aug. 2020 – May 2021*

## Certifications/Training

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- MERN Stack Development, ThinkNext Technologies *May 2024 – June 2024*
- AWS Academy Cloud Operations | SQL Bootcamp, Udemy

## Achievements

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- Codeforces Rating: 1220+ (Pupil) | CodeChef Rating: 1475+
- Marathon finisher | active chess tournament participant.

## Interpersonal Skills

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- Team Leadership | Project Management | Analytical Problem-Solving | Communication

## Languages

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- English (Fluent), Hindi (Fluent)