

Arnav Sharma

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PROFESSIONAL SUMMARY

Dynamic Full-Stack MERN Developer proficient in C++, Python, JavaScript, and NoSQL databases, with expertise in vector stores. Adept at building scalable web applications and integrating AI agents using Retrieval-Augmented Generation (RAG) techniques. A Codeforces rating of 1220+ demonstrates exceptional modular problem-solving skills and a commitment to continuous improvement. Eager to drive innovation in fast-paced tech teams

TECHNICAL SKILLS

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

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

- Enhanced video quality by integrating FFmpeg for optimized animation rendering.
- Generated mathematics animation using LLM-driven prompts for Manim code creation.
- Designed scalable architecture for complex math visualization project and animations.
- Created text-to-video generator utilizing Generative AI, Manim integration.

EXPERIENCE

Industrial Training – MERN Stack

ThinkNext Technologies, Mohali, India

May 2024–June 2024

- Built a full-stack image generation application using MongoDB, Express, React, and Node.js.
- Developed REST APIs and integrated AI image generation services.
- Strengthened skills in full-stack development and real-world project implementation.

EDUCATION

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

- MERN Stack Development, ThinkNext Technologies
- AWS Academy Cloud Operations | SQL Bootcamp, Udemy

May 2024 – June 2024

Achievements

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

Interpersonal Skills

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

Languages

- English (Fluent), Hindi (Fluent)