

Arnav Sharma

+91-8826763862/ arnavsharma2708@gmail.com | hayarnav.xyz/ | linkedin.com/in/arnav-sharma2708

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 / <i>Mern Stack, Mongodb, VITE, Tailwind CSS, Git</i> Link | September 2025–Present |
| <ul style="list-style-type: none">Developed cinema-themed platform with dynamic fire-gradient UI.Optimized REST APIs, with scalable code and team collaborationThe website incorporates scalable code, data modeling, and feature design | |
| Vynix / <i>MERN Stack, VITE, Grok 4 Fast API, manim, ffmpeg, Git</i> (Ongoing) Link | September 2025-Present |
| <ul style="list-style-type: none">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

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|---|--------------------|
| Industrial Training – MERN Stack | |
| <i>ThinkNext Technologies, Mohali, India</i> | May 2024–June 2024 |
| <ul style="list-style-type: none">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

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|---|----------------------|
| Chandigarh Group of Collages, Landran | |
| <i>B.Tech, Artificial Intelligence & Data Science</i> | Aug. 2022 June 2026 |
| Air Force Senior Secondary School | |
| <i>Senior Secondary (Class XII)</i> | 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

- 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)