

Aryan Patel

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Summary

Full-Stack Engineer specializing in scalable systems, intuitive user interfaces, and AI-powered applications. Experienced in building production-grade web platforms with RAG, LLM integration, speech pipelines, and low-latency architectures.

Skills

Languages TypeScript, JavaScript, Python, C++ , Java	AI/ML RAG, LLM Integration, Vector Search, Embeddings
Frontend React, Next.js, Tailwind CSS, ShadCN UI	Cloud AWS (EC2, S3), Cloudflare
Backend Node.js, Express, MongoDB, PostgreSQL, Redis, REST APIs	DevOps Docker, CI/CD, Git, GitHub

Experience

Language Technologies Research Center, IIIT Hyderabad May 2025 – Aug 2026

Software Engineer

- Led full-stack development of **BandhuCare**, building the admin panel frontend and backend services using React, Node.js, and MongoDB.
- Designed a **multi-tenant architecture** to isolate data across independent systems and support scalable application workflows.
- Built and optimized **Node.js REST APIs**, improving application performance by 40% through Redis caching.
- Integrated **IIIT-based translation models** to enable multilingual application workflows.
- Owned system design across **frontend architecture, APIs, data modeling, and performance optimization**.

Covrize, Ahmedabad May 2024 – May 2025

Full-Stack Developer Intern

- Built full-stack web applications using **Next.js, React, and Node.js**, developing responsive interfaces and backend services.
- Developed reusable UI components and optimized frontend performance for responsive user experiences.
- Designed REST APIs and optimized PostgreSQL queries, improving application performance by 30%.
- Deployed applications on **AWS EC2 and S3**, reducing deployment time by 40%.

Projects

CallsConnectAI – AI-Powered Call Center

- Built a multilingual AI call center using Speech-to-Text and LLMs, reducing operational costs by 30%.
- Developed automated complaint handling and follow-ups, improving efficiency by 40%.
- Integrated **LiveKit** for real-time voice communication and concurrent call handling.
- **Project Demo:** [Live Demo](#) — [Pitch Presentation](#)

DocAssist – Documentation Intelligence Platform (RAG)

- Built a full-stack RAG platform enabling developers to chat with documentation such as LiveKit and Stripe.
- Implemented sitemap-based ingestion, chunking, and vector indexing for efficient retrieval.
- Built semantic search and context-aware response generation to improve answer accuracy.
- **Production:** [docassist.aryan-dev.in](#)

Achievements

- **Finalist** – Smart India Hackathon 2024 (Top 5 out of 500+ teams)
- Open-source contributor to **MedusaJS** (PR #13521 merged; improved admin UI consistency)

Education

Concordia University, Montreal, Canada Sep 2026 – Present

Master of Applied Computer Science

Charusat University, Changa, India Oct 2021 – Apr 2025

B.Tech in Computer Science & Engineering GPA: 8.99/10

Certifications

- MongoDB University – Node.js Learning Path
- AWS Educate – Getting Started with Compute
- Docker Containerization for Modern Development