Parth Patel

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Technical Skills

Languages: TypeScript, JavaScript, SQL, HTML, CSS
Frameworks & Libraries: Next.js, React, Node.js, Express.js, TanStack Query, Zustand, Redux, Tailwind CSS
Data, Cloud & AI: PostgreSQL, MongoDB, Supabase, Firebase, AWS S3, Azure Speech, OpenAI
Tools: Git, GitHub, Sentry, VS Code

Experience

SDE 1 **Jul 2026 – Present**
Skillbee *New Delhi*

- Built and launched a full-stack **Leaderboard & Rewards** system with scalable rankings and fault-tolerant credits using **PostgreSQL advisory locks** and **outbox retries**.
- Developed **Trial Learning** and **Custom Curriculum** flows covering guided speaking, scholarship scoring, student placement, bulk imports, and progress tracking.
- Improved **Pronunciation Evaluation** latency and reliability by parallelizing **Azure Speech**, **AWS S3**, and PostgreSQL operations and strengthening microphone recovery.

Software Engineer Intern **Jan 2026 – Jun 2026**
Skillbee *Remote*

- Building the **Speech Evaluation** web app (**Next.js, React, TypeScript**) for German pronunciation assessment; integrated **Azure Speech API** for real-time feedback and OpenAI for writing and topic-relevancy evaluation.
- Developed **admin dashboard** with curriculum management, user progress tracking, and audit logs; refactored all admin tables into a **reusable component** for consistency and maintainability.
- Implementing and debugging features across **3 core modules** (pronunciation, free-speaking, free-writing); designing **curriculum progression logic** and analyzing production user progress data.
- Conducting **code reviews** and collaborating with stakeholders to ship production-ready fixes; resolved **critical bugs and merge conflicts** to maintain deployment velocity.

Software Engineer Intern **Aug 2025 – Dec 2025**
Marketifyall *Remote*

- Built an open-source Canva-like media editor with **React**, **Next.js**, and **TypeScript**, enabling in-browser image and video creation, editing, export, and automated social publishing.
- Migrated backend infrastructure from **Firebase** to **Supabase PostgreSQL**, reducing bandwidth utilization by **70%** while improving scalability and data management.

Frontend Intern **Jan 2025 – Jun 2025**
BrainyBeam Info-Tech Pvt. Ltd. *Ahmedabad*

- Built responsive UI components for a Grofers-like e-commerce platform using **React**, **CSS**, and **Bootstrap**.
- Improved page load time by **30%** through WebP and lazy loading; reduced redundant code by **40%** with reusable product listing and filtering components.

Projects

CORTEXA | *TypeScript, OpenAI, Pinecone, Prisma, PostgreSQL*

- Built a **RAG-powered** document chat platform for querying PDFs, with answers grounded in source passages and backed by **inline citations**.
- Engineered a serverless PDF ingestion and **streaming chat** pipeline using OpenAI embeddings, Pinecone, Prisma, and the Vercel AI SDK.

NETFLIX-GPT | *React, Redux, Firebase, OpenAI*

- Developed a Netflix-style application with **AI-powered recommendations** and intelligent movie search using React and OpenAI.
- Implemented Firebase authentication and secure sessions, with Redux managing state across dynamic movie listings.

Education

SVIT College, Vasad (GTU) **Vasad**
Master of Computer Applications (CGPA: 8.23/10) *Aug 2023 – May 2025*