

Parth Wakodikar

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EDUCATION

Ajeenkya Dy Patil School of Engineering

Pune, MH

Bachelor of Engineering in Electronics and Telecommunication – CGPA: 8.5/10

Aug. 2023 – May 2027

TECHNICAL SKILLS

Generative AI: LLM APIs, Retrieval-Augmented Generation (RAG), Vector Embeddings, pgvector, Vector Databases, Prompt Engineering, AI Agents / Tool Calling

Languages: TypeScript, JavaScript, Python, Java

Frontend: React.js, Next.js, Tailwind CSS, HTML5, CSS3

Backend: Node.js, Express.js, REST APIs, PostgreSQL, MongoDB, Prisma, MySQL, JWT, WebSockets

DevOps / Infrastructure: Docker, AWS, Nginx, GitHub Actions, Git, Linux

EXPERIENCE

Full Stack Development Intern

Jan. 2026 – Feb. 2026

ShadowFox Pvt. Ltd.

Remote

- Built reusable, responsive React.js components and interfaces using HTML, CSS, and JavaScript as part of a small full-stack engineering team.
- Integrated REST APIs into frontend features, handling data fetching, form submission, and client-side validation, while coordinating with backend services for data management.
- Applied component-based architecture and state management principles to ship functional, production-ready interfaces.

PROJECTS

MediSenseAI | *React, TypeScript, Node.js, MongoDB, Python, Gemini API*

GitHub — Live

- Built a full-stack AI platform predicting medicine stock-outs across health centres and recommending cross-state redistribution for Google Cloud's *Build with AI: Code for Communities* hackathon, using a React/TypeScript frontend and Node/Express + MongoDB backend.
- Integrated Google's Gemini API to generate natural-language alerts and redistribution recommendations from computed depletion forecasts, turning raw data into actionable insights for health administrators.
- Designed and deployed a Python (FastAPI) microservice to compute a composite risk score combining medicine stock levels and staff attendance data, and implemented JWT-based RBAC (PHC staff vs. regional admin).
- Deployed a 3-service architecture (Vercel frontend, Render backend + Python service, MongoDB Atlas) with production CORS and environment-based config, designed for cross-state scalability across India's PHC network.

ChatWithDoc | *Next.js, TypeScript, Supabase, pgvector, LLM APIs*

GitHub — Live

- Built a full-stack Retrieval-Augmented Generation (RAG) application enabling users to upload PDF/DOCX/TXT documents and get answers grounded in the document's content.
- Designed a document ingestion pipeline covering text extraction, chunking, and vector embedding generation, storing embeddings in PostgreSQL via Supabase's pgvector extension for semantic search.
- Developed REST API routes in Next.js (App Router) for upload, retrieval, and chat, integrating LLM APIs for grounded question-answering with source-passages citations.

ContribStart | *React, Node.js, Express, MongoDB, JWT, Docker*

GitHub — Live

- Built a full-stack MERN application helping beginner developers discover good-first-issue open-source tasks and track contribution progress via a personal dashboard.
- Implemented JWT-based authentication and protected routes, designing REST APIs with Express.js and Mongoose connected to MongoDB Atlas.
- Dockerized the application for consistent development and deployment, and resolved CORS issues between a Vercel-hosted frontend and Render-hosted backend.

ACHIEVEMENTS & EXTRACURRICULAR ACTIVITIES

- Open Source Contributor at GirlScript Summer of Code (GSSOC), contributing to programs including OSCG and ECUSOC, with 500+ GitHub contributions.
- Submitted proposals for Google Summer of Code (GSoC) and regularly contribute to open-source projects through issues and pull requests.
- Ranked in the Top 25 intra-college teams at Smart India Hackathon (SIH).
- Participated in ISRO Bharatiya Antariksh Hackathon (BAH) and Hacktoberfest, gaining experience in collaborative problem solving and application development.
- Regularly practice Data Structures and Algorithms on LeetCode and HackerRank, strengthening problem-solving skills across arrays, strings, linked lists, trees, recursion, and other core topics.

CERTIFICATES

Full Stack Web Development Certification – TutorialsPoint

API Development & Testing Certification – Postman

Git and GitHub – Microsoft

Java Programming Certification – GeeksforGeeks