

Purv Kabaria

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EDUCATION

Sardar Vallabhbhai National Institute of Technology

Bachelor of Technology in Computer Science and Engineering

Surat, Gujarat

August 2023 – Present

- Current CGPA: 7.98/10.0
- Relevant Coursework: Data Structures and Algorithms, Computer Networks, Database Management Systems, Object Oriented Programming, Operating Systems

EXPERIENCE

Software Development Intern

Mercurium Analytics

June 2025 – August 2025

Remote

- Developed and optimized internal web modules using **Django, Redis, and PostgreSQL**, improving response time of data-heavy dashboards by **35%**
- Built **automated data extraction pipelines** using Selenium and Python to collect regulatory and financial data from 20+ sources
- Deployed services on **AWS EC2 + S3** with background workers using Redis queues, enabling scalable processing of large document batches
- Refactored frontend components and API endpoints, reducing page load time by **40%** and resolving 15+ production issues via Agile workflow

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C++, Java, C, HTML/CSS, SQL

Frameworks: React.js, Next.js, Node.js, Express.js, Django, Flask, Agentic AI

Developer Tools: Git, Redis, AWS, RabbitMQ, Expo, Docker, Firebase, MongoDB, Supabase

Libraries: Numpy, Pandas, Langchain, Selenium, Pytorch, Scikit Learn

PROJECTS

IndyChat | *Dify, Next.js, Firebase, Framer Motion* | indychat.vercel.app | [GitHub](#)

2025

- Built **agentic AI chatbot** using Dify with **tool-calling, system prompts, and multi-step reasoning** for 15+ structured query types
- Implemented **dynamic agent routing** between retrieval, web search, and generation, reducing hallucinations by **40%**
- Scaled system for **870K+ users** with Firebase-backed sessions and **Speech-to-Text / Text-to-Speech**, increasing engagement by **28%**

ConnectIQ | *Next.js, Supabase, FastAPI, LangChain, Multi-tenant Architecture* | ai-manthan.vercel.app

2025

- Built **AI-powered multi-tenant community platform** to solve context decay by summarizing **100+ previous messages** using retrieval-augmented generation
- Designed **tenant-isolated scalable architecture** with **Supabase + FastAPI**, supporting **50+ independent communities** with real-time sessions
- Implemented **AI business proposal generator** that creates **PDF-ready templates from prompts**, reducing manual drafting time by **70%**

FinBridge | *BullMQ, Docker, MinIO, Prisma, PostgreSQL, Redis, FastAPI, ONNX, Whisper* | [GitHub](#)

2025

- Built **offline-first AI-powered deal management platform** with PWA support, IndexedDB sync, and **multi-role architecture**
- Integrated **speech-to-text, sentiment analysis, and LLM summarization** using Whisper, ONNX RoBERTa, and Gemma for audio intelligence
- Designed **scalable full-stack system** using Next.js, Prisma, PostgreSQL, Redis queues, and FastAPI with automated email + Google Meet scheduling

LEADERSHIP & ACHIEVEMENTS

Leadership: Chief Executive at Cutting Edge Visionaries (Fintech Club, SVNIT), Developer at ACM SVNIT

Competitive Programming: 400+ problems solved on LeetCode, 3-star CodeChef coder (Max Rating: 1620)

Hackathons: 6× Hackathon Finalist, Runner-up at AI/ML Hackathon hosted by WebOsmotic