Het Bhutak

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SDE at a YC-backed fintech. I work on payment APIs and settlement infrastructure and shipped a production voice agent that completes KYC Process end to end. Focused on backend systems where correctness matters money movement, reconciliation, and the pipelines around them.

TECHNICAL SKILLS

Backend & Data: REST API design, FastAPI, Flask, MongoDB / AWS DocumentDB, MySQL, Redis, aggregation pipelines, schema design, webhook automation, third-party API integration
AI / LLM Engineering: LLM application development, **RAG and vector search,** embedding pipelines, context assembly pipelines, tool calling and agent orchestration, multi-step reasoning and agent design, structured output design, prompt engineering, Pipecat, Gemini Live API
Speech & Voice: Real-time STT/TTS pipelines, **speech-to-speech agents**, **conversational AI systems**, conversational state management
Machine Learning: PyTorch, TensorFlow, Scikit-learn, OpenCV, NumPy, Pandas, supervised and unsupervised learning, CNNs, RNNs/LSTM, NLP, computer vision and object detection
Automation & Infra: n8n workflow automation, Docker / Docker Compose, Git, GitHub, Bitbucket, Jira, Postman, Slack API, SFTP integrations

EXPERIENCE

Decentro Tech Pvt. Ltd. (YC S20) — SDE
Bengaluru · February 2026 – Present
Backend & Payments Infrastructure

- Built CRUD and list APIs for **settlement cycle management** on the company's internal API framework, exposing configuration and lifecycle operations over settlement cycles to back-office and admin-ops teams, with validation, pagination, and filtering handled at the framework layer.
- Owned backend work on **provider rate cards**, the pricing layer that determines what each payment provider charges per transaction. Contributed to a schema refactor that normalized rate cards from a flat structure into a parent/child model in a shared pricing collection, removing duplication across providers and making pricing changes versionable rather than overwritten in place.
- Built list APIs for **Admin-Ops metering and credit management**, backed by MongoDB/DocumentDB aggregation pipelines and MySQL, serving paginated and filterable views over plan-type mappings, API metering configuration, and customer credit ledgers.
- Automated daily **NSDL SFTP statement ingestion** T-1 file pickup, archival to Google Drive, and Slack alerting replacing a recurring manual operations task and resolving upstream SFTP IP allowlisting with the infrastructure team.

AI & LLM Systems

- Designed and shipped a **production voice AI agent that completes the end-to-end KYC journey**, guiding users through verification in real time with live status updates from backend APIs. Built a Slack-integrated **RAG pipeline** internal assistant that instantly answers employee questions by searching across company documentation, SOPs, and API guides eliminating manual doc hunting. Reduced team dependency on senior members for repetitive knowledge queries by centralizing organizational knowledge into a single conversational interface.

PROJECTS

InFlow — Smart Bus Surveillance & Crowd Monitoring Computer-vision system estimating crowd density and passenger flow in public buses, with an admin dashboard for real-time analytics. Built for smart-city deployment scenarios (GIFT City, Gujarat). *OpenCV, object detection, full-stack dashboard*

EDUCATION

B. Tech, Computer Science & Design — CGPA 8.23/10
G.H. Patel College of Engineering & Technology, CVM University · 2022 – 2026

ACHIEVEMENTS

- **Winner, 5G DoT Hackathon** ₹1,00,000 funding awarded for a robotics prototype.
- Presented a startup prototype at **IMC'25**, Asia's largest technology and innovation conference.
- Won the **Aspire award at international stage** for driving the innovation to Transform.