

TEJA CHALIKANTI

+1 716-228-9739 | chalikantiteja@gmail.com | [LinkedIn](#) | [GitHub](#)

EDUCATION

University at Buffalo - SUNY

Master's in Computer Science CGPA: 3.6/4.0

Buffalo, NY

August 2024 to December 2025

Guru Nanak Institutions Technical Campus

Bachelor of Technology in Computer Science CGPA: 9.01/10.0

Hyderabad, India

August 2019 to July 2023

EXPERIENCE

Software Engineer Intern

PM Accelerator ([Trvlmate.ai](#))

June 2025 – August 2025

Miami, Florida

- Designed and implemented the architecture for a secure authentication system supporting multiple social providers by handling token exchange, verification, and identity linking in Firebase, ensuring safe and seamless user access across devices.
- Developed core travel services including user location + SOS detection, a weather forecasting API with normalized JSON responses, Google/Apple calendar sync, and popular places with favorites/categories—streamlining trip planning and improving user reliability.
- Built a tool-integrated AI assistant (LangChain + OpenAI) connected to backend features (trip creation, weather, city images, recommendations) with conversation memory in Firestore, enabling contextual and personalized trip planning.
- Delivered multi-modal and smart features such as Text-to-Speech (OpenAI Speech), Speech-to-Text (Whisper), image translation, and currency conversion, along with SafeBite/SafeMate modules for dietary safety and incident reporting, enhancing accessibility and user trust.

Software Engineer

[Doctorite.ai](#)

January 2024 – July 2024

Hyderabad, India

- Reduced support needs by implementing a Client Portal with scheduling (availability sync, reminders) and secure S3-backed assessments (pre-signed URLs, RBAC).
- Enhanced care continuity by building an AI session assistant that logs Q&A to BigQuery, preserves context, proposes follow-ups, and recommends assessments.
- Increased provider capacity by +12% by reducing documentation time 60% through automated SOAP/progress notes, and developed HIPAA-compliant telehealth features with Twilio (video calls and phone calls).

Software Engineer Specialist

[Valuelabs](#)

November 2022 – November 2023

Hyderabad, India

- Built scheduled ETL pipelines with EC2, EMR, Lambda, and SQS to ingest, transform, and load data into RDS, automating client report generation and email delivery while reducing S3 data lake costs by 30% through lifecycle rules archiving aged objects.
- Optimized Spark performance on EMR by addressing data skew and enabling Adaptive Query Execution (AQE), significantly reducing job runtimes and resource usage across large-scale data processing workflows.
- Improved chat performance and user experience by cutting p95 response time from 3.4s to 1.2s through FAQ caching and batched API calls, increasing CSAT by 9% and lowering session drop-offs by 21%.

PROJECTS

AI-Powered Job Application Assistant | *Python, FastAPI, React, PostgreSQL, Docker*

GitHub Repo

- Designed and implemented the backend architecture with Python FastAPI, PostgreSQL, and Docker, deployed on Render. Built secure REST APIs for user profiles, resume analysis, and tailored answers, ensuring scalable and reliable integration with the frontend.
- Developed core frontend features using React, creating user flows for onboarding, resume scoring dashboards, tailored answer components, and profile management. Focused on agentic UX to make AI interactions intuitive, editable, and feedback-driven.
- Integrated AI agents (LangChain + OpenAI) for resume parsing, job description scoring, and personalized answer generation. Designed structured JSON contracts between backend and AI agents, enabling accurate resume-to-JD matching and actionable insights.

AI Personal Companion | *FastAPI, LangChain, Ollama, Whisper, ChromaDB, React*

GitHub Repo

- Designed and implemented the backend with FastAPI + LangChain, integrating a local LLM (Ollama), Whisper for speech-to-text, and ChromaDB for vector search, enabling secure RAG-based query answering over documents and voice memos.
- Developed the frontend in React, building a clean and responsive interface for uploading notes/PDFs, recording voice memos, and asking natural language questions, making AI-powered search intuitive and privacy-first.

TECHNICAL SKILLS

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

CS Fundamentals: Data Structures and Algorithms, OOP 's, Design Patterns

Backend & APIs: FastAPI, Flask; REST; Auth (JWT/OAuth2/Firebase Auth); WebSockets

Frontend & UI: React, Redux, Tailwind CSS

Databases & Storage: PostgreSQL, MongoDB, Firestore, ChromaDB; Redis

Cloud & DevOps: AWS, GCP, Firebase, Render; Docker; CI/CD (GitHub Actions)

AI/LLM: LangChain, OpenAI/Ollama, Whisper; RAG