# SHASHANK ANCHURI

Hyderabad, India

📱 +91 8500801752  ✉ shashankanchuri@gmail.com  in linkedin.com/in/sai-shashank-anchuri  ⭘ github.com/saishashank-a

## Profile

Passionate about the intersection of Artificial Intelligence and social impact, I aim to serve as a beacon for transforming SME workflows through intelligent automation. My expertise spans the full spectrum of AI from foundational machine learning to the frontier of quantum computing, enabling me to engineer scalable solutions that solve complex business challenges and drive meaningful evolution.

## Experience

### AI Consultant                                                                Oct 2025 – Present
*Self-Employed*                                                                          *Hyderabad*

– Delivered end-to-end custom AI and software solutions for clients, handling requirement gathering, system architecture, and deployment.
– Developed and optimized automation scripts and data processing pipelines, reducing manual workflow time for client businesses.
– Utilized prompt engineering and RAG pipeline for lead generation and client funneling.

### Software Development Engineer - I                                            Feb 2026 – Present
*Nextenti Tech Private Limited*                                                          *Hyderabad*

– Developed an end-to-end AI-powered chatbot for candidate screening and recruitment support, utilizing natural language processing to improve response accuracy and user engagement.
– Engineered a comprehensive product website and recruitment portal for the healthcare sector, featuring secure authentication and a dashboard for real-time professional job matching.
– Designed and optimized MongoDB schemas and data aggregation pipelines to manage large-scale healthcare talent databases and improve search efficiency.

### AI Developer & Business Analyst                                              Apr 2025 – Sept 2025
*Yellow.ai*                                                                              *Bangalore*

– Developed modular conversational AI workflows integrating APIs, authentication layers, and backend microservices; improved task completion rates by 25 percent.
– Designed scalable bot architectures enabling multi-client reuse and reducing development effort by 20 percent.
– Coordinated with frontend, backend, and design teams to deliver aligned user journeys and consistent conversational behavior.

### Salesforce QA Engineer                                                       Oct 2024 – Apr 2025
*Secureworks*                                                                            *Hyderabad*

– Developed automated and manual test suites validating Salesforce flows, triggers, and third-party integrations, improving release stability by 30 percent.
– Implemented reusable test-data frameworks increasing coverage while reducing QA cycle time by 22 percent.
– Collaborated with developers to refine workflow logic for critical customer-facing processes.

### Associate Business Analyst                                                   Jul 2024 – Sept 2024
*Novartis*                                                                               *Hyderabad*

– Automated ETL pipelines for structured and unstructured sources, reducing analyst workload by 40 percent.
– Conducted detailed EDA including competitor tracking, anomaly detection, and KPI mapping to support intelligence reporting.
– Built PowerBI dashboards surfacing evolving therapeutic areas, competitive signals, and strategic KPIs.

## Projects

### E-commerce RAG Engine (Microservices Architecture)                          Oct 2025 – Present
*Python, Docker, Kubernetes, ChromaDB*                                                   *Hyderabad*

– Architected a containerized RAG system using Docker and Kubernetes to enable scalable product search and Q&A.
– Implemented a vector retrieval pipeline using ChromaDB and Sentence-Transformers to index high-volume review data.
– Designed backend APIs with FastAPI/Uvicorn to handle concurrent user queries with low latency.

### High-Performance Review Analysis System
*Python, Metal GPU, HDBSCAN, Flask*

Aug 2025 − Oct 2025
*Hyderabad*

− Engineered a local LLM-based topic extraction system utilizing Metal GPU acceleration, achieving a 4.3x speedup over CPU baselines.
− Optimized concurrency with 48 parallel workers and implemented semantic deduplication to reduce processing load by 50 percent.
− Replaced slow LLM consolidation with HDBSCAN clustering, accelerating topic grouping by 240x.

### Predictive Log Analysis & AIOps Platform
*Ray, Scikit-Learn, Streamlit*

Nov 2025 − Dec 2025
*Hyderabad*

− Built an enterprise-grade anomaly detection engine using Ray and Isolation Forests to identify statistical irregularities in system logs.
− Developed a "Universal Knowledge Base" rule engine to translate cryptic error codes (e.g., Oracle ORA-00600) into actionable resolution steps.
− Created a centralized "Command Center" dashboard for real-time system health monitoring and forensics.

### LockIn - Cross-Platform Habit Tracker
*React Native, Expo, SQLite, TypeScript*

Sept 2025 − Nov 2025
*Hyderabad*

− Developed a full-stack mobile application with offline-first architecture using local SQLite persistence.
− Implemented complex state management for tracking streaks, financial data, and health metrics across iOS and Android.
− Integrated HealthKit and device sensors to automate workout logging and body metric visualization.

### Face Recognition Attendance System
*Django, Python, FaceNet*

Jun 2023 − Aug 2024
*Hyderabad*

− Built a secure attendance automation system using FaceNet embeddings, achieving a 20 percent reduction in manual tracking effort.
− Developed a robust Django web interface with user management, batch processing, and automated Excel reporting.

### Earthquake Magnitude Prediction (Published Research)
*Deep Learning (CNN + GRU)*

Jan 2024 − Apr 2024
*Hyderabad*

− Developed a hybrid CNN–GRU model to analyze spatial-temporal seismic data, outperforming baseline regression models in accuracy.
− Implemented advanced data preprocessing techniques including denoising and normalization to reduce overfitting by 18 percent.

## Education

### Chaitanya Bharathi Institute of Technology
*B.E. in Artificial Intelligence and Data Science*

Jun 2021 − 2025
*Hyderabad*

## Technical Skills

**Languages:** Python, C, JavaScript/TypeScript, SQL, HTML5, GoLang, Rust

**Backend & Cloud:** Docker, Kubernetes, FastAPI, Django, Flask, Ray, ChromaDB, SQLite

**Technologies:** Git, Salesforce, PowerBI, Pandas, Scikit-learn, TensorFlow, Ollama

## Leadership and Extracurriculars

### Charge D'Affaires, CBITMUN 2024
*Chaitanya Bharathi Institute of Technology*

2024
*Hyderabad*

− Led delegate relations and coordinated operational workflow for 500+ participants.

### Vice President, Film Club
*Chaitanya Bharathi Institute of Technology*

2023 − 2024
*Hyderabad*

− Directed production teams and organized institute-wide technical setups for media events.

### Beatboxer, Music & Instruments Club
*Chaitanya Bharathi Institute of Technology*

2022 − 2024
*Hyderabad*

− Performed at cultural fests and institute celebrations as a vocal percussionist.