


JIYA SINGHAL

Undergraduate CS Student — Passionate about AI, Product Creative Learning Tools

 [Portfolio](#)

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Education

Scaler School of Technology

Bangalore, India — Expected May 2027

Birla Institute Of Technology And Science

Expected May 2026

Bachelor of Science in Computer Science

Technical Skills & Interests

Languages: Python, JavaScript, SQL, Java

Frameworks & Tools: React, Node.js, Firebase, Streamlit, HuggingFace Transformers, FAISS, Keras, Colab, GitHub, NLP Libraries (librosa, FuzzyWuzzy)

Core & Product Skills: Data Structures & Algorithms, OOP, A/B Testing, Prompt Engineering, PRDs

Experience

TradeIndia

Jan 2025 – April 2025

Product & Tech Intern (Voice AI, Fraud Detection)

Noida, India

- Led PoC testing and vendor collaboration for an **automated voice call bot**, listening to thousands of calls to improve scripts and boost speech accuracy.
- Integrated fraud detection tools (Truecaller, IDfy, Shield), enhancing trust and platform safety through strategic partnerships.
- Used **SQL and Excel** for large-scale call data extraction, quality analysis, and bot tuning.
- Proposed and scoped AI-driven features like **image search** to improve user experience.
- Collaborated cross-functionally with engineering and business teams; used **Jira** for agile tracking and smooth delivery.

Projects

Smart Product Search (AI + Fuzzy Matching)

Tech Used: Python, Streamlit, FAISS, NLP, FuzzyWuzzy

- Built an intelligent product search combining sentence embeddings and fuzzy string matching for high-accuracy results.
- Integrated FAISS for fast vector search across thousands of product names, improving search performance.
- Designed a hybrid scoring system blending AI similarity, fuzzy match, and heuristic rules.
- GitHub: github.com/jiya-singhal/search-listings

Automated Voice Bot Implementation

Role: Managed Vendor PoC, Analyzed Call Quality, Improved Scripts

- Led PoC testing and vendor management for a customer inquiry call bot.
- Designed and tested an automated voice call system; analyzed thousands of calls to improve scripts.
- Collaborated with engineering teams to enhance voice response accuracy and customer satisfaction.
- Impact:** Improved call handling efficiency, reduced manual workload, and increased customer response speed.

Loan Default Prediction (Supervised ML)

Python, Keras, Pandas

- Built a Keras-based classification model using the LendingClub dataset to predict loan repayment status. Focused on data preprocessing, feature engineering, and model tuning.
- GitHub: github.com/jiya-singhal/Lending-Club

Highlights

- Certified Bharatanatyam dancer and music enthusiast — deeply interested in how tech can make creative learning accessible.
- Strong interest in AI, prompt engineering, and passionate about improving user experience through smart, data-driven product features.

Certifications

Product Analytics Micro-Certification

Product School, 2025

Certificate Link

Python Programming

University of Michigan, 2024

Certificate Link