

# SOHAIL GIDWANI

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Passionate software engineer focused on AI technologies and full-stack development, with problem-solving and collaborative skills.

## EDUCATION

Masters of Science in Computer Science | University of Southern California

Aug 2025 – May 2027

- **Coursework:** Analysis of Algorithm, Information Retrieval, and Web Search Engines

B.E. Computer Engineering | University of Mumbai

Aug 2019 – May 2023

CGPA: 9.05/10

- **Coursework:** Artificial Intelligence, Machine Learning, Advanced DBMS, Data Structures & Algorithms, Operating Systems, Software Engineering, Cloud Computing, Object-Oriented Programming, Big Data Analytics, Computer Networks, Cryptography & System Security, Blockchain.

## WORK EXPERIENCE

Senior Software Engineer - I | Insaito, Inc.

May 2025 - July 2025

- **AI Agent Builder Platform:** Led the architecture and development of an AI agent builder platform, enabling users to create advanced AI agents with custom workflows and deep third-party integrations. Built core infrastructure for open-source LLM deployment, OAuth for 100+ apps, and Model Context Protocol (MCP) servers.

Full Stack - Software Developer | IIFL Finance Ltd.

June 2023 - May 2025

- **Custom Data Chatbots (RAG):** Built an internal employee support chatbot using NLP, Python, and Flask. Integrated with Qdrant vector database, Azure OpenAI service, and Zoho ticketing system. This AI-powered solution significantly reduced the number of support tickets raised by employees, streamlining internal processes. ([Certificate of Achievement](#))
- **Gold Loan Image Audit App:** Engineered AI-powered application using models like GroundingDino, Swin-Transformer, enhancing fraud detection and reducing potential loan fraud by 15%
- **CapitalGenie:** Designed and implemented an automated user support system that responded to queries via email and other channels. Leveraged IIFL's internal APIs to fetch user information, diagnose issues, and utilized GPT-4o to generate structured, personalized responses. This solution accelerated the resolution of the issue by 70% compared to manual processes.

Web Developer (Intern) | Iremify.com

May 2021 - July 2021

- Developed and maintained web applications using NodeJS, Flask, and React; ensured cross-platform compatibility and delivered responsive designs.

## SKILLS

- **Programming:** Python, TypeScript, JavaScript, Java (intermediate), C/C++ (Basic), SQL
- **Full-Stack:** React, Next, Node.js, Express, Hono, FastAPI, Flask, RESTful APIs, HTML5, CSS3, Tailwind CSS, WebRTC
- **AI/ML:** TensorFlow, Keras, Scikit-Learn, NLP, Computer Vision, OpenCV Vector DBs, LLMs, CNN, LSTM, Transformer, MLOps, N8N, MCP
- **Databases & Cloud:** MySQL, PostgreSQL, MongoDB, Oracle, SQLAlchemy, Azure, AWS, Docker, Git, Linux, Serverless
- **Methodologies:** Agile, Test-Driven Development, Code Reviews, Backend, End-To-End

## PROJECTS

- **Image Feature Detection & Captioning | Neural Networks, Streamlit – [Github](#)**

Developed an AI app using CNN/VGG-16 for image feature extraction and an LSTM/Transformer-based captioning model achieving a BLEU score of 0.80, with a Streamlit interface for user-friendly interaction.

- **Knowledge Hub (Personal Semantic Search & Study Assistant) | Flask, Next.js, PostgreSQL + pgvector, PyMuPDF, Tesseract/TrOCR, OpenCV, Ollama – [Github](#)**

Built a local-first portal that ingests PDFs/images/handwritten notes; runs OCR + chunking; and delivers hybrid search (FTS + semantic) with citations and an LLM-backed answer API via Ollama.

- **Project-TechUpdates | Python, TypeScript, JavaScript – [Github](#)**

Built a headline aggregation and classification tool using Python for scraping, TypeScript for data handling, and a minimal frontend to deliver ad-free, categorized tech news updates.

## EXTRACURRICULAR ACTIVITIES

- **Event Leadership:** Organized "Blind Code," a sub-event of ASCENT 2022 (ISTE).
- **Competition Success:**
  - Won [Tech-A-Thon](#) at IIFL.
  - Runner-up at [Crack The Code](#) (Jai Hind, 2018).
  - Participated in [Feynwick](#) (KJSIEIT, 2021) and [Trident](#) (TSEC, 2019).
- **Courses:** 0-100 Cohort 2.0 (Harikart Singh), TensorFlow for deeplearning.