

SOHAIL GIDWANI

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

WORK EXPERIENCE

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

- Troubleshoot and debugged code ensuring compatibility with devices, browsers, and operating systems.
- Developed web platform back ends using NodeJS and Flask frameworks. Built APIs and data clients to consume APIs.
- Implemented responsive front-end designs using React, showcasing adaptability in learning and applying new technologies.

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

EDUCATION

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.

PROJECTS

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

- Implemented CNN and VGG-16 models for image feature extraction and LSTM (BLEU score: 0.65)/Transformer (BLEU score: 0.80) models for caption generation.
- Created a user-friendly web interface using Streamlit, demonstrating full-stack capabilities in AI application development.

ScribeGlobe (Medium-like Blogging site) | React.js + Vite + Tailwind, PostgreSQL, HONO & CloudFlare Workers ([Github](#))

- Built with React.js and Vite for a responsive user experience. Developed serverless backend using Hono on Cloudflare Workers.
- Implemented PostgreSQL for efficient data storage and retrieval, demonstrating proficiency in SQL database management.

Project-TechUpdates | Python, TypeScript, JavaScript, HTML, CSS ([Github](#))

- Built a tool to scrape favorite tech blogs (Y Combinator, Medium, etc.), classifying articles into categories like AI, ML, Tech, and more.
- Displayed ad-free, focused updates on a minimal frontend with headline, summary, and date.

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.