SOHAIL GIDWANI

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WORK EXPERIENCE

Software Developer (Full-Stack) | IIFL Finance Ltd. *June 2023 - present*

- **Custom Data Chatbots:** 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-Transfromer, enhancing fraud detection and reducing potential loan fraud by 15%

Web Developer (Intern) | Iremify.com *May 2021 - July 2021*

- Troubleshot 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.

SKILLS

- **Programming Languages:** Python, Java (intermediate), JavaScript (intermediate), C/C++ (Basic), SQL.
- **Libraries & Frameworks:** React, Node, Express & Hono, Tailwind, Fast-API, Scikit-Learn, TensorFlow, Keras, SQLAlchemy, Flask.
- **Databases:** MySQL, Oracle, MongoDB, PostgreSQL, VectorDB.
- **Miscellaneous:** Azure, AWS, Git, Postman, Serverless and Linux Deployments, Docker, ORMs, WebRTC.

EDUCATION

B.E Computer Engineering | University Of Mumbai *Aug 2019 - May 2023*
CGPA: 9.05/10

- Coursework: Data Structures, AI, ML, Advanced DBMS, Operating Systems, Software Engineering, Cloud Computing, OOP, Big Data Analytics, Computer Networks.

PROJECTS

Image Feature Detection & Captioning | Neural Networks, Object Detection, Streamlit (Github Link)

- **Feature Extraction:** We evaluated two approaches: a general CNN trained from scratch and the pre-trained VGG-16 model. VGG-16 achieved a significantly higher BLEU score (e.g., 0.65) compared to the general CNN (e.g., 0.28), demonstrating its effectiveness in capturing relevant image features.
- **Caption Generation:** We compared Long Short-Term Memory (LSTM) networks with Transformer models. LSTMs achieved a BLEU score of around 0.40, while Transformers reached a score of approximately 0.80. This suggests that Transformers' ability to capture long-range dependencies in sentences leads to more accurate captions.

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

- **Frontend:** Built with React.js and Vite for a smooth and responsive user experience. Learned component reusability and maintainability for a consistent look and feel.
- **Backend:** Hono deployed on Cloudflare Workers provides a serverless foundation. This eliminates server management and lets you focus on core functionality.

Cloud-Based Music player app | HTML, CSS, JavaScript, AWS EC2, S3

- **Frontend:** Developed using HTML, CSS, and JavaScript to provide the user interface for interacting with the music player.
- **Backend:** Hosted on Amazon Web Services (AWS) EC2 instances, which are virtual servers in the cloud. This eliminates the need for physical servers.
- **Content Storage:** Leverages Amazon S3, a cloud storage service by AWS, to store the music files for the player.

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.