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

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

- **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.
- **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%
- **Cross-functional Collaboration:** Worked closely with data science and security teams to implement best practices for data handling and model deployment, ensuring robust and secure AI solutions.

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.
- 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, 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
- **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 Link)

- 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 Link)

- 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.

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

- Developed frontend using HTML, CSS, and JavaScript. Hosted on AWS EC2 instances, demonstrating cloud deployment skills.
- Leveraged Amazon S3 for efficient music file storage, showcasing understanding of cloud storage solutions.

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.