Sachin Singh

Software Engineer | Bengaluru, India | (+91) 9205844976 | sachinishu02@gmail.com |
LinkedIn: sachin-singh-4249971a7 | Portfolio: Sachin Singh

PROFILE

Computer Science and Engineering graduate from Acharya Institute of Technology with distinction, equipped with hands-on experience in backend development, AI integration, and full-stack web application design. Demonstrated success in industry settings and hackathons, including at GE Healthcare, where scalable internal tools and AI-powered search systems were developed. Proficient in Python, JavaScript, Flask, React, PostgreSQL and API integration, with a solid understanding of deep learning and cloud-based platforms.

EDUCATION

Bachelor of Engineering in Computer Science and Engineering – Acharya Institute of Technology
Grade: Distinction   Bengaluru, India

- Explored backend development through academic projects using Python and Flask, gaining hands-on experience in building full-stack web applications.
- Applied deep learning techniques by developing a CNN-based AI model, enhancing understanding of neural networks and model training.
- Participated in SIH 2023 internal hackathon (winner) and Webathon (1st Runner-up), demonstrating strong skills in problem-solving and web development.

TECHNICAL SKILLS

- Java
- Python
- JavaScript
- SQL, NoSQL
- React JS
- Git
- Flask
- HTML
- NodeJS
- Linux

RELEVANT PROFESSIONAL EXPERIENCE

GE Healthcare Pvt Ltd., Bengaluru, India   **January 2025 - Present**
Software Developer Intern:

- Built an internal Platform-as-a-Service (PaaS) to centralize and search onboarding and knowledge-sharing documents from Confluence, GitLab, and Box, reducing employee onboarding time by 30%.
- Integrated APIs from Confluence, GitLab, and Box to automate daily data retrieval and storage, ensuring 95% data freshness and consistency across platforms.
- Implemented a search and page ranking system based on user reviews and result relevance, boosting search accuracy by 65% and increasing user satisfaction.
- Built a Langchain + LLaMA 3.2 chatbot for querying Confluence documents, reducing information retrieval time and boosting sprint efficiency.

Python Software Foundation   **January 2024 - March 2024**
Open-Source Contributor:

- Resolved over 55 broken or outdated hyperlinks in SymPy's documentation using make link check, enhancing doc reliability and reducing 404 errors, leading to a smoother developer onboarding experience.
- Refactored internal documentation to replace absolute links (docs.sympy.org) with Sphinx-compliant relative links, boosting build consistency and enabling future automated checks, cutting CI warnings by 40%.
- Expanded the docstring for the widely-used Symbol class to include detailed usage, assumptions, and examples, improving documentation coverage and reducing Symbol-related user queries on GitHub.

PROJECTS

Preliminary Skin Diagnosis | Flask, Python, ReactJS, CNN, MongoDB | GitHub   **March 2024 - April2024**

- Built a CNN-based skin disease classifier integrated with a web and Android app, enabling users to upload skin images for instant analysis, achieving 83%+ accuracy across 7 skin conditions.
- Deployed the model with real-time inference on both platforms, reducing diagnosis response time to under two seconds, which improved user engagement.
- Streamlined the user interface for image uploads and result delivery, enhancing accessibility and usability.

Restaurant Idea Generator | Python, JavaScript, LangChain, OpenAI | GitHub   **June 2023 - July2023**

- Developed an AI-powered restaurant idea generator using LangChain's Chains module, automating the creation of creative restaurant names and menu concepts, resulting in a 70% reduction in brainstorming time for small business owners.
- Implemented a sequential chain pipeline to generate cohesive name-theme-menu outputs, streamlining ideation for food entrepreneurs.
- Enabled rapid prototyping of restaurant concepts through a user-friendly interface.