

SHIVANI SOLA

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OBJECTIVE STATEMENT

Aspiring software developer with hands-on experience in software development, cloud solutions, and AI-driven projects. I am eager to apply my skills to contribute to innovative solutions for clients across multiple industries, leveraging cutting-edge technologies such as hybrid cloud and AI. Passionate about driving meaningful change by collaborating with diverse teams and industry leaders

EDUCATION

Bachelor of Technology in Computer Science

Swarna Bharathi Institute of Science & Technology (SBIT).

Dec 2020 – July 2024

SKILLS

- C • Python • SQL • PostgreSQL • Mysql • Java • HTML • CSS • JavaScript • Bootstrap • Django • Flask • MS-Excel
- NumPy • Pandas • Machine Learning (ML) • Data visualization • Scikit-learn • Data analysis • Matplotlib • Computer Vision • TensorFlow • Large Language Models (LLMs – Fine-tuning with Hugging Face and Ollama models)
- Retrieval-Augmented Generation (RAG) • NLP • PyTorch • Pyesseract

PROFESSIONAL EXPERIENCE

Software Engineer (AI/ML) Trainee

FSG IT Solution Pvt. Ltd., Hyderabad

Jan 2025 – Present

- Collaborating on real-time AI/ML projects including data preprocessing, model training, evaluation, and deployment.
- Implementing machine learning algorithms for classification, regression, and clustering tasks using Python, Scikit-learn, TensorFlow, and Pandas.
- Participated in building and fine-tuning deep learning models for NLP and computer vision use cases.
- Contributed to code reviews, model documentation, and integrating ML models into production environments using Flask and Streamlit.
- Applied best practices in software development, including Git version control, and agile methodologies.

PROJECTS

1. Quantum Data Leap (QDL)

- Contributed to a banking solution that standardizes multiple payment formats to ISO 20022, with data pipelines built using Prefect and storage in PostgreSQL for machine learning tasks.
- Worked on enriching payment data and supporting models that predict liquidity requirements and fund allocation.

2. QGPT

- Assisted in testing and improving a local LLM built with Ollama, supporting document-based Q&A (RAG bot), general chat, and image-based question answering.

3. SocialSpammer Detection via Convex Non-negative Matrix Factorization (CNMFSD). Aug2023 - Oct2024

- A novel approach that exploits content and social interaction information to identify malicious users in social networks, using matrix factorization and optimization techniques. We used the NLP, ML algorithms, and SVM to train the model and predict the data.

4. Farmers Portal using blockchain technology.

Dec2023 - Jan2024

- A blockchain-based portal is proposed where a farmer can register and sell his crops, recording a transaction on a blockchain at a point when buyers commit to buying a farmer's crop.

5. HeartDisease Prediction

Aug2023 - Aug2024

 - Developed a machine learning model to predict heart disease using patient data. Utilized algorithms such as logistic regression. Achieved high accuracy in predictions, aiding in early diagnosis and treatment planning. Deployed the model using Streamlit for an interactive and user-friendly web application.
6. Building AI Code Reviewer GenAI Application.

Mar2024 - april2024

 - An AI-based code reviewer, which helps you identify errors, fix bugs, and enhance your code with expert suggestions. Plus, it now tracks code execution time, ensuring you get efficient and optimized solutions every time! It's like having a personal coding assistant, anytime, anywhere
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INTERNSHIP

1. Data Analysis using Python libraries under the guidance of Agri-Tech.

April2023-may2023
2. DevOps with AWS under the guidance of VinX Innovative TechSolutions PVT LTD.

May2023-June2023
3. Software Developer Intern - RG2 IT Solutions

April2024-June2024

CERTIFICATIONS

- Ultimate AWS Certified Cloud Practitioner - 2023fromUdemy.
 - AgileMethodologyVirtualExperience Program- Cognizant Foundation.
- Python course completion-Infosys springboard
 - AWS Educate Getting Started with Compute badge