

Suyash Yeolekar

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Education

Vishwakarma Institute of Information Technology
B.Tech in Artificial Intelligence and Data Science — CGPA: 8.61

Pune, Maharashtra
Aug. 2021 – May 2025

Sant Mai College of Science, Arts and Commerce
HSC (Class XII) — Aggregate: 85.5%

Pune, Maharashtra
Aug. 2019 – May 2021

Sadhana English Medium School
SSC (Class X) — Aggregate: 80.8%

Pune, Maharashtra
May 2019

Experience

AI Chatbot Developer Intern


July 2023 – Dec 2023

R&D Department of Army

Hyderabad (Remote)

- Developed a generative chatbot capable of responding to user queries using information extracted from 3 PDF documents, improving response accuracy by 40%.
- Demonstrated expertise in data preprocessing by extracting, preparing, validating, and manipulating PDF data, ensuring optimal performance and accuracy.
- Integrated Haystack 2.0, Elasticsearch Vector DB, and Mistral LLM, achieving robust functionality.


Projects

News Classification for Supply Chain Management using GenAI | *Python, Haystack* |  GitHub Jan 2024

- Developed an AI-powered news classification system for Supply Chain Management using GenAI, Hugging Face, and Haystack.
- Achieved 50% increase in efficiency by providing AI-driven insights for data-driven decision-making.
- Improved accuracy through prompt engineering, optimizing the system for better performance.

AyUR-Bot: Intelligent chatbot for Ayurvedic Wisdom | *Python, Langchain, FAISS DB* |  GitHub Dec 2023

- Built an AI-powered chatbot providing personalized Ayurvedic wisdom, using RAG (Retrieval-Augmented Generation) architecture for instant responses.
- Integrated Hugging Face models, LangChain components, and FAISS vector database.
- Achieved a 95% satisfaction rate, enhancing access to traditional wisdom and improving overall user satisfaction.

Abalone Age Prediction using AWS Sagemaker | *Machine Learning, AWS Sagemaker* |  GitHub Dec 2023

- Utilized the Amazon SageMaker Linear Learner algorithm to construct and train a powerful model, achieving a test accuracy of 83%.
- Managed the entire ML lifecycle from data preprocessing to model deployment on AWS.

Technical Skills

Languages: Python, C/C++, SQL

Libraries and Framework: Numpy, Pandas, Seaborn, Scikit-learn, LangChain, Streamlit, Gradio

Tools and Databases: Git, Tableau, MySQL

Course Work: Software Engineering, Machine Learning, Data Structures and Algorithms, Cloud Computing

Soft Skills: Strong Analytical skills, Quick Learner, Teamwork, Time management, Leadership

Achievements

- 3 research papers accepted and published 1 research paper in renowned journals and obtained 2 copyrights.
- Won Best Idea Award at Symbiclave 2023: India's First Skill-Based Patent Conclave.
- Qualified internal Hackathon for Smart India Hackathon (SIH 2023).
- Received Scholarship for Programming for Data Science with Python via Udacity.

Certificates

- Supervised Machine Learning: Regression and Classification - DEEPLARNING.AI and STANFORD ONLINE, Coursera
- Python Programming Masterclass - Udemy