

Macha Akhil

Hyderabad , Telangana, India

Software Developer

(+91) 9346041651

akhilmacha93@gmail.com



www.linkedin.com/in/macha-akhil-ma

Ambitious individual with strong organizational and multitasking skills, as well as an aptitude for technology. Ready to apply knowledge and skills to any challenge.

SKILLS

Python, Javascript, Typescript ,MySQL, Python Libraries - pandas,numpy,BeautifulSoup
Frameworks - Flask, Django, React js, Node js, Express js
AI - langchain, Vercel sdk, Gen AI
Visual Studio - IDE, Postman Api,GITHUB

EXPERIENCE

Italent Digital

June 2024 - present - **Software Developer**

1. Aurora-Copilot Tool (used AI - LLM, Embedding, Vector, OpenAI, VercelSdk, langchain)

- Developed an AI-driven chatbot using Vercel SDK, Langchain and Azure OpenAI to streamline Khoros community development to aurora migration.
- In the khoros community,they use Freemarker language , so it is migrated to react js and the endpoints into Typescript so this tool will be useful for easy and fast development.
- Designed an Aurora-Copilot CLI to capture terminal errors, push logs to Loki, and stream logs data back into the project for real-time troubleshooting, enabling seamless file suggestions and enhanced debugging.

2. RTE (Rich Text Editor) :

Developed a Rich Text Editor (RTE) using Quill.js with integrated real-time word analysis powered by Transformers.js. Implemented a frontend-only solution to classify user-entered words as 'good' or 'bad' without backend involvement, ensuring instant feedback and seamless user experience.

3 . Assisted others teams in developing user interfaces using React.js for Khoros community development, contributing to the seamless integration and enhancement of community features.

1. CELPOX.COM / CELTALKS.COM January-2023 - September-2023

- Led a successful migration project from PHP to Python and .Net, showcasing proficiency in both languages and demonstrating a strong grasp of object-oriented programming (OOPs) principles
- Designed and implemented object-oriented solutions in Python and .Net, leveraging inheritance and polymorphism to ensure modular and reusable code.
- Collaborated with a cross-functional team to develop and maintain object-oriented software solutions for film industry data analysis and management, focusing on encapsulating data and functionality effectively.
- Assisted in debugging, testing, and quality assurance activities to uphold the reliability and performance of software products.

2. Kite Zerodha Trading Application - Python, Flask(Automated Trading Application)

october-2023 - January-2024

- Developed an automated trading application using **Python and Flask**, integrating with the Kite Zerodha API for seamless trading automation.
- Kite Zerodha Trading Automation - Secure Login with Access Token - Buy and Sell Order Execution. Developed automated trading applications integrating login, buy/sell orders using Kite Zerodha API with Python and Flask. More new logics are added .
- GITHUB - https://github.com/Macha-Akhil/Trading_app

3. AngleOne Trading Application - Python, Flask (Automated Trading Application)

January-2024 - april-2024

- Developed an automated trading application using **Python and Flask** , integrating with the AngleOne API for seamless trading automation.
- AngleOne Trading Automation - Secure Login with Access Token - Buy and Sell Order Execution. Developed automated trading applications integrating login, buy/sell orders using AngleOne API with Python and Flask. More new logics are added .
- GITHUB - https://github.com/Macha-Akhil/AngleOne_trading

Wipro , Hyderabad — Project Engineer

October-2021 -November 2022

- Worked as project engineer in citibank client project
- Involved in conversion of Citibank data to DBS bank, that includes secure data transfer from one bank to another.
- Experience in development of object-oriented business applications using Python, OOP's Conceptual data transfer , Ms Excel data manipulation, Backend programming.
- Designed software solutions by analyzing system performance standards, increasing performance efficiency by 27%.
- Analyzed systems flow, data usage, and work processes, and investigated problem areas.

- Planned, tracked, and managed 50+ deliverables on short-term sprints and long-term software deployments.
 - Good team member, positive attitude and result oriented self-motivated, quick learner.
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PROJECTS

- **Vehicle Parking Management System → Python(2021)**
- **Desktop Supermarket Application (2021)**
- **Use Case: AI-Driven Question and Answer System for URL, PDF, and Document Reading(used AI - LLM, Embedding, Vector, OpenAI, langchain) :**
 - ❖ Built an AI-powered question-and-answer system using Azure OpenAI with RAG (Retrieval-Augmented Generation), enabling natural language queries on URLs, PDFs, and documents. Implemented data splitting, embedding generation, and vector database integration for efficient retrieval and accurate responses through a chat-like interface.
- **Use Case: AI-Powered Resume Analyzer and Interview Preparation Tool (used AI - LLM, Embedding, Vector, OpenAI, langchain) :**
 - ❖ Developed a resume analysis tool using Azure OpenAI to read and analyze resumes, generating relevant interview questions and answers based on candidate skills, experience, and job roles. Integrated natural language processing and retrieval-augmented generation (RAG) for accurate and personalized insights.

EDUCATION

Malla Reddy Institute of Engineering and Technology,
Maisammaguda Hyderabad— B.Tech
August 2017 - August 2021 / CGPA - 6.69

Bachelor of Technology- Computer Science and Engineering (CSE)
Narayana Junior College , Hyderabad— Intermediate
June 2015 - April 2017 / Percentage - 90.7

Newton High School, Hyderabad— SSC April
2015 / CGPA - 7.8

CERTIFICATIONS

- **The complete training program on " Python" .**
--Data Flair
 - **The Complete 2022 Web Development Bootcamp.**
-- Udemy
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STRENGTHS

- Good Logical Thinking and Problem solving.
- Excellent coding, testing, problem solving, and debugging skills in any language.
- Excellent communication and collaboration skills.
- Ready to learn and take up challenges to have leadership qualities.