Manchivaru Santhosh Kumar

Senior Engineer

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PROFILE

Experienced Senior Engineer with 4+ years in web and software development, bringing a total of 7 years of professional expertise

PROFESSIONAL EXPERIENCE

Senior Engineer   May 2023 – present
Fractal Analytics   Bangalore, India

- **Developing User Interfaces**: Implemented responsive user interfaces using HTML, CSS, and JavaScript frameworks like React. Ensured cross-browser compatibility and pixel-perfect designs
- **Optimizing Performance**: Improved application performance by optimizing code and implementing best practices.
- **Collaboration**: Worked closely with designers, backend developers, and project managers to ensure cohesive project execution.Participated in Agile development processes, including standups and sprint reviews.
- **Testing and Debugging**: Conducted thorough testing using tools like Jest, to ensure the delivery of high-quality features. Debugged UI/UX issues in development and production environments.
- Optimized application performance, ensuring fast load times and smooth user experiences.
- Conducted code reviews and provided feedback to maintain code quality and best practices.
- Utilized version control systems (e.g., Git) to manage and track code changes.
- Mentored junior developers, providing guidance and support in React.js and general programming practices.
- Implemented unit testing and end-to-end testing to ensure the reliability and stability of the application.

Engineer   Jul 2022 – May 2023
Senseforth.ai (a Fractal company)   Bangalore, India

- Developed responsive and user-friendly web pages using ReactJs, HTML , CSS and javascript.
- Worked closely with UX designers to create visually stunning designs and implemented using CSS.
- Collaborated with backend developers to integrate front-end code with server-side APIs.

Programmer   Jul 2021 – Jul 2022
Perfect & Complete Solutions   Pune, India

- Designing user interactions on web pages.
- Integrating our front-end UI with the constructed API.
- Build the front-end of applications through appealing visual design.

- Collaborated with senior developers to implement new features and improve existing ones.
- Participated in code reviews, providing and receiving constructive feedback to ensure code quality.
- Worked closely with UI/UX designers to ensure seamless user experiences.

Programmer Jan 2020 – Dec 2020
Ultimosoft Hyderabad, India
- Successfully maintained all responsibilities of accounting manager along with Netsuite Administrator.
- Test and deploy NetSuite customizations and new functionality based on changing business needs.

Cognizant Aug 2017 – Nov 2019
Senior Process Executive Hyderabad, India
- Worked on GRM tool and ICS which helps in finding the company information.
- Meeting daily targets and following up with Team Lead.

SKILLS

Reactjs, JavaScript, HTML5 & CSS3, Redux, Node.js, Responsive Design, Git & Version Control, Python, FastAPI

PROJECTS

Cogentiq Sep 2024 – present
An Agentic AI Platform for Enterprises
Project Description : **Fractal Cogentiq** aims to serve MWC Gen AI needs in a standarized, repeatable way. It aims to be a single respository of all data in an org along with an installable appstore of all solutions, products and accelerators that we have ever built.
- Key Responsibilites :
  - Created **Reusable Components** to streamline the development process and maintain code consistency.
  - Implemented the **Chat Page**, enabling seamless and intuitive user conversations with the AI.
  - Developed the **Login Page** to facilitate secure and efficient user authentication.
  - Built the **Configuration Page**, allowing users to customize settings and preferences for the AI app.
  - Implemented the **Uploading Files Page** to enable users to upload and manage files within the application.
  - Built components for **Visualization**, including charts and tables, to effectively present financial data and insights

Aggrag Mar 2024 – Sep 2024
AggRag is a sophisticated platform designed to streamline the integration and deployment of multiple RAG(Retrieval-Augmented Generation) systems into a single, cohesive solution.

Marshall bot   Nov 2023 – Jan 2024

Assisted in the development of a chatbot for Marshall Goldsmith, providing
support across various screens and functionalities.

NVestigator   2023

AI Assistant for NVIDIA's HER Team

- An AI assistant for NVIDIA's HER Team which would enable interactive and
  informative experience for end-users.
- The system would allow the team to explore a large set of research papers(or
  other document types) from different perspetives that can help take actionable
  decisions in a more speedy and efficient manner.

Vadi   Jan 2023 – present

An AI playground

Project Description : An AI playground tailored to basic QnA, Summarization,
Financial Analysis, and Data Insights of both structured and unstructed data.

- Solely responsible for the **Frontend Development** of the AI playground,
  ensuring a user-friendly and intuitive interface.
- Developed the **Chat Page** to facilitate basic QnA interactions with users.
- Developed key features for the AI playground, including a Summarization
  Module to provide concise summaries of lengthy texts, a Financial Analysis
  Page to deliver insights and analysis of financial data, and a Data Insights Page
  to analyze and visualize both structured and unstructured data.

TPG Hackathon   Oct 2023 – Nov 2023

for a client demo

Developed a comprehensive AI solution for a client demo, focusing on handling
and analyzing various financial documents to generate insights and summaries.
This project covered structured and unstructured data, providing advanced
querying and summarization capabilities.

WhatsappBSP   Oct 2022 – Jan 2023

Solution for creating and managing WhatsApp campaigns, enabling users to send
messages to all contacts efficiently. The project aimed to enhance
communication and marketing efforts through automated messaging.

Flyfish   Jul 2022 – Apr 2023

- **Project Description**: Developed a custom chatbot solution capable of being
  deployed on various websites. The project included generating an SDK link that
  could be integrated into websites to display the chatbot functionality.
- **Key Responsibilities**:
  - Designed and developed the **Bot Builder Page** to allow users to create and
    customize their chatbots.
  - Worked on the **Components** page, implementing modular and reusable
    components for the chatbot interface.
  - Developed the **Configure Page** to enable users to set up and configure the
    chatbot according to their needs.
  - Ensured the responsiveness of the chatbot across different devices and
    screen sizes, providing a seamless user experience.

EDUCATION

B.Tech   Sep 2013 – Jun 2017
Malla Reddy College of Engineering and Technology   Hyderabad, India

MPC   Jun 2011 – May 2013
New Era Jr College   Hyderabad, India