

SAI LAKSHMI PRIYA

Software Developer | Python | React | FastAPI

Hyderabad, India | +919392423256 | marturusailakshmipriya@gmail.com

Professional Summary

Versatile **Software Developer** with 1+ years of experience supporting 360-degree development cycles, from frontend to backend. Proficient in building dynamic user interfaces with **React.js** and engineering high-performance backend services with **Python and FASTAPI**. Skilled in the full application lifecycle, including **LLM integration**, **Docker** containerization, and **AWS** deployment. A collaborative developer dedicated to creating efficient, full-stack web solutions.

Technical Skills

- Programming Languages:** Python, JavaScript, HTML, CSS, TailwindCSS, Typescript
- Frameworks & Libraries:** FastAPI, React.js, Node.js
- AI & Machine Learning:** LLM Integration, OpenAI API, Token Optimization, Deep Learning, TensorFlow
- Databases:** PostgreSQL, MySQL
- Cloud & DevOps:** AWS (EC2, S3, Lambda), Docker, CI/CD, Vercel
- Developer Tools:** Git, Github, Visual Studio Code

Professional Experience

Software Developer | Trangia - Sep 2024 – Present | Hyderabad, Telangana

- Develop and maintain responsive, data-driven user interfaces using **React.js**, creating reusable components to ensure a consistent user experience across applications.
- Engineer high-performance backend services using **Python and FASTAPI** to support frontend applications, handling 10,000+ daily API requests.
- Integrate **OpenAI API (LLMs)** to build intelligent application features, focusing on prompt engineering and **token optimization** to reduce API costs by 30%.
- Containerize applications using **Docker** and deploy to **AWS**, establishing a scalable and reliable CI/CD pipeline.
- Collaborate in a full-stack capacity, designing **PostgreSQL** database schemas and integrating backend APIs with the React frontend.

Web Developer Intern | DVsoft - Mar 2024 – May 2024 | Guntur, Andhra Pradesh

- Developed and styled 5+ responsive website components using **HTML, CSS, and JavaScript**, improving user interface consistency across projects.
- Collaborated with the backend team to integrate **FAST APIs** to fetch and display dynamic data, such as product listings and user information.
- Gained practical experience in an Agile environment, participating in daily stand-ups, code reviews, and sprint planning.

Projects

AI-Powered Customer Support Chatbot (Trangla)

Tech Stack: Python, FASTAPI, OpenAI API, Docker, PostgreSQL

- Engineered a backend service using **FASTAPI** to power an intelligent chatbot for a client's e-commerce platform.
- Integrated the **OpenAI API** for natural language understanding and response generation, handling 80% of common customer queries automatically.
- Optimized API response times to under 400ms and deployed the service as a **Docker** container on **AWS**.

Real-Time Data Analytics Dashboard (Trangla)

Tech Stack: React.js, FASTAPI, PostgreSQL, AWS

- Contributed to a full-stack analytics dashboard, developing **React.js** components to visualize real-time data for business intelligence.
- Built secure **FastAPI** endpoints to stream data efficiently from a **PostgreSQL** database to the frontend application.
- Implemented data filtering and sorting features, allowing users to analyze large datasets and generate reports.

Corn Leaf Disease Detection

Tech Stack: Deep Learning, Python, TensorFlow, InceptionV3

- Built and trained a deep learning model using **InceptionV3** and **TensorFlow** to classify corn leaves into Blight, Rust, Gray Leaf Spot, and Healthy categories.
- Achieved 94% accuracy in image classification, providing a tool for early and automated detection of plant diseases.

RamaChandra Brothers Webpage

Tech Stack HTML, CSS, TailwindCSS

- Designed and developed a responsive static website to showcase company information, services, and product details.
- Created a user-friendly layout that improved customer engagement and provided a clear, professional web presence.

Education

Bachelor of Science, Computer Science (2021 – 2025)

Intermediate (2019 – 2021)

Certifications

- Microsoft Certified: Azure Administrator Associate
- Python FullStack Internship - Purple Technologies
- Certified Web Development Internship - DVsoft