

Joshua S

AI Developer | Python Developer



+91 6383807593



joshuasuresh08@gmail.com



[linkedin.com/in/joshua08/](https://www.linkedin.com/in/joshua08/)



github.com/joshhuu

AI Developer with hands-on experience in AI-powered systems, data analytics, and e-commerce automation. Proven ability to drive real-world impact through data scraping, machine learning, and intelligent system design. Adept at converting raw data into actionable insights and AI-driven solutions. Strong collaborator, quick learner, and driven to innovate in fast-paced environments.

TECHNICAL SKILLS

Programming Languages

Python



JavaScript



HTML



CSS



SQL



C



Java



Frameworks

TensorFlow | Keras | Pandas | NumPy | Scikit Learn | Fastapi | Langchain | Flask | Matplotlib | Django | Next.js

Tools

Git | GitHub | VS Code | Postman | Jupyter Notebook | Google Colab

KEY ACHIEVEMENTS

- Smart India Hackathon 2024 (Software Edition) Finalists** - Gujarat Technological University, Ahmedabad. Selected among top teams nationwide for Problem Statement 1734 from ISRO
- Rakathon 2024 (Software Edition) Top 100 Finalists** – Rakuten, Bangalore. Selected from over 8,990+ teams; participated in the 24-hour on-site hackathon at Crimson House with a project on AI-based E-Commerce solutions.

EDUCATION

Karpagam Academy of Higher Education

B.Tech Artificial Intelligence & Data Science - CGPA : 8.5

Sep 2023 - 2027

Coimbatore, Tamil Nadu

WORK EXPERIENCE

[INTERN](#)

Stepping Edge (AI Developer & Python Developer Intern)

July 2024 - Dec 2024

At Stepping Edge, I developed web scraping tools to gather data for chatbot training and built an NLP-powered chatbot with intent classification and various other AI-based projects. I also contributed to API integration and documented workflows to support scalable deployment.

Metaverse Association (AI Developer - Freelance)

Jul 2024 - Present

Member of the R&D Club, Department of CSE, Karpagam Academy of Higher Education.

● Downscaling of Satellite-Based Air Quality Map

Smart India Hackathon 2024

- Developed a hybrid AI pipeline using Random Forest for gap-filling and CNNs for spatial downscaling of NO₂ satellite data.
- Applied physics-informed modeling for consistency and validated outputs with RMSE and correlation against ground datasets.
- Generated high-resolution NO₂ maps (~100m) to support environmental research, urban planning, and policy-making.

● AI-Powered Employee Scheduling Engine

Freelance Project

- Built an AI-powered scheduling and performance tracking system for retail businesses using synthetic datasets and machine learning.
- Developed a real-time task scheduler and feedback engine in Python and JavaScript, enabling dynamic workload allocation and performance visualization for employees across retail environments.

● AI Based Shopping Assistant

Rakathon 2024

- Built an AI-Based Shopping Assistant using NLP, AR wearables, and virtual try-on features to enhance customer experience in retail environments.
- Developed the solution using Node.js during a 24-hour hackathon, presenting it as one of the top 100 teams out of 8,990 at Rakuten's Crimson House.

● Bitcoin Trend Forecaster

Personal Project

- Built a machine learning system to predict Bitcoin price trends using technical indicators like RSI, MACD, and Moving Averages.
- Trained a Random Forest classifier with Python and Scikit-learn to classify future price movements, supporting investment insights through data-driven signals.

● Website Summarizer AI Tool

Personal Project

- Built an AI-powered Website Summarizer using LangChain, Google Gemini API, and BeautifulSoup to extract and summarize key content from URLs or raw HTML.
- Developed the solution with Flask and React, offering users multiple summary formats like bullet points, emoji-based, and detailed markdown, all through a dynamic and responsive frontend.

CERTIFICATIONS

[CERTIFICATIONS - DRIVE LINK](#)

- IBM Data Science Professional Certification (*Course 5 / 12*)
- IBM Machine Learning with Python
- IBM Data Analysis with Python
- Python Certification - Infosys Springboard
- Applied Gen-AI Certification - Infosys Springboard