

SWEATHA B

Full Stack Developer | AI/ML Engineer

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EDUCATION

Hindustan Institute of Technology and Science

Chennai | 2022 – Present

Bachelor of Technology (B.Tech) CSE – Specialization in AI & ML

CGPA: 9.53/10.0

EXPERIENCE

Hogist Technologies Private Limited

Chennai | May 2025 – Present

AI Automation Engineer Intern - [LINK](#)

- Developed an **AI-powered Social Media Automation Platform for Instagram and Facebook** with features like Smart Analytics Dashboard, automated post scheduling, content calendar, and email automation.
- Integrated **Gemini, Meta, and Brevo APIs** for intelligent captioning, post management, and personalized email campaigns; Engineered the backend with **FastAPI, Celery**, and **Redis**, paired with a ReactJS frontend and Cloudinary to handle media uploads and delivery.
- Tech Stack:** Python, FastAPI, ReactJS, Celery, Redis, REST API, ML Automation, Meta Developer API, Gemini API, Brevo, Cloudinary.

Novanectar Services Pvt. Ltd.

Chennai | June 2024 – July 2024

Data Analytics Intern

- Gained hands-on experience in **data analytics using Power BI and Tableau** to create interactive dashboards and visualize key business metrics.
- Worked on real-time datasets to perform data cleaning, transformation, and report generation, while enhancing data storytelling through intuitive visualizations and actionable insights.
- Tech Stack:** Power BI, Tableau, Excel, Data Cleaning, Data Visualization, Dashboarding.

PROJECTS

MEDSPACE – AI-Driven Healthcare Ecosystem - [LINK](#)

- Developed an end-to-end healthcare platform integrating AI-powered diagnostics, secured EHR storage, and real-time hospital discovery using Geoapify API.
- Achieved **90%+ diagnostic accuracy** in MRI, CT, and X-ray analysis using **VGG-19 and OpenCV**, while enabling symptom-based diagnosis, medicine recommendations, and **secure EHR** handling via Hugging Face models and JWT authentication, **reducing manual workload by 50%**.
- Built a **scalable full-stack system** using React.js, Flask, and SQL, integrated LLMs for NLP and **Geoapify API** for hospital discovery, enhancing user interaction and system responsiveness.

ML Model Analyzer – AI-Powered Evaluation & Optimization Tool-[LINK](#)

- Created a smart analyzer tool for evaluating Machine learning models based on accuracy, execution time, and energy consumption, automating **95% of manual evaluation workflows**.
- Integrated **LLaMA LLM and GenAI** to deliver intelligent model recommendations and performance interpretation through confusion matrices and accuracy graphs, while enhancing **decision-making by 40%** using real-time dashboards (Chart.js, matplotlib) and an **NLP-based chatbot** for insights.
- Tech stack:** Flask, React.js, LLaMA, LLM-as-a-Judge, Hugging Face, TensorFlow, Keras, Chart.js.

SKILLS

Languages & Libraries: Python · Java · JavaScript · SQL · HTML/CSS · TensorFlow · Keras · PyTorch · Scikit-learn · OpenCV · NumPy · Pandas · Matplotlib · Seaborn · PostgreSQL

Tools & Technologies: AI/ML · Deep Learning · Generative AI · RAG · LLaMA · Large Language Models (LLM) · Computer Vision · Natural Language Processing (NLP) · LangChain · RNN · CNN · LSTM · MongoDB · Excel · Power BI · Tableau

Frameworks & Platforms: MCP · Flask · FastAPI · React.js · Node.js · Streamlit · Docker · AWS · GCP · Celery · Redis · n8n

Soft Skills: Problem-Solving · Analytical Thinking · Team Collaboration · Communication · Adaptability · Time Management · Critical Thinking · Leadership · Continuous Learning

CERTIFICATES & ACHIEVEMENTS

Certificate of Achievement – IBM: Awarded for securing Second Place in the Poster Presentation Competition on Blockchain Technology, showcasing innovation in decentralized systems and tech-driven problem-solving.

House Captain & Event Organizer – IBM Nexus Club: Led and coordinated multiple technical and non-technical events, fostering peer engagement and leadership through strategic planning and team collaboration.