Sahana G

sahanaacharyaa2004@gmail.com │8088689397 │ Bengaluru, Karnataka

GITHUB │ LINKEDIN │PORTFOLIO

CAREER OBJECTIVE

Aiming to apply my knowledge of data analysis, AI, ML, and web development to develop innovative solutions and improve business outcomes in a collaborative and fast-paced environment, with a strong passion for leveraging technology to drive business success. I focus on continuous learning and professional development to stay ahead of industry trends.

EDUCATION

- **Global Academy of Technology** — *B.E. in Artificial Intelligence & Data Science* | CGPA: **9.7**   **2022 – 2026**
- **PES PU College** — *2nd PUC (PCMCs)*   **2020 – 2022**
  Percentage: **94.83%**
- **Greenwood High School** — *10th Grade*   **2020**
  Percentage: **96%**

TECHNICAL SKILLS

- **Programming Languages:** Python, C, Java
- **Data Science & ML:** Machine Learning, NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Tableau, NLP.
- **Web Development:** HTML, CSS, JavaScript, Responsive Web Design, Streamlit
- **Databases:** SQL, MongoDB
- **Tools & IDEs:** Jupyter Notebook, VS Code, IntelliJ IDEA, Google Colab, Git
- **Other:** Data Structures & Algorithms

SOFT SKILLS

- Communication
- Punctual and Reliable
- Focused and Goal-Oriented
- Determined and Self-Motivated
- Teamwork and Collaboration
- Leadership

PROJECTS

- **Machine learning projects:**

Project1: Gold price prediction |LINK
Description: Developed a machine learning model to predict gold prices using regression algorithms.
Technologies: Python, scikit-learn, NumPy, Pandas
Achievements: Implemented and evaluated multiple regression models, achieving accurate predictions.

Project2: Real time fake news detection |LINK
Description: Developed a machine learning model to detect fake news articles in real-time.
Technologies: Python, scikit-learn, TensorFlow, Beautiful Soup
Achievements: Achieved 99% accuracy with Decision Tree model, implemented ensemble model, and used LIME for model interpretability for real time fake news articles.

Project2: TransCare Navigator |LINK
Description: Developed a machine learning model to predict risk level after gender affirmation surgery and providing personalized mental health support through chatbot.
Technologies: Python, scikit-learn, FastAPI, Streamlit, Rule-based NLP, Machine learning and full – stack development.

- **Web development projects:**

Project1: To-Do list app- The To-Do List App is a simple yet powerful productivity tool designed to help users manage their daily tasks efficiently. |LINK
Project2: Personal Portfolio- Designed and developed a responsive portfolio website to showcase my skills, projects.| LINK

RESEARCH EXPERIENCE
Conference Presentation and paper publication   Pudukkottai, India
                                                                December 4-6, 2024

Title: A Comparative Analysis of Fuzzy Methods for Predicting Student Dropout Rate
Conference: 3rd International Conference on Automation, Computing and Renewable Systems (ICACRS 2024)

CERTIFICATIONS
Frontend web development: Infosys Springboard
Python Foundation: Infosys Springboard
Getting started with enterprise data science: IBM
Machine learning for data science: IBM

ADDITIONAL EXPERIENCE
Department club member: Espoire
Role: Treasurer
Managed budgets and helped coordinate events while demonstrating leadership and time management.

HACKATHONS
Codebreaker Challenge 1.0, Global Academy of Technology   **May 10-11, 2025**
Role: Team leader
Participated in a team of four members in a hackathon, tackling the problem statement of developing a chatbot assistant for predicting gender affirmation surgery risk and providing personalized mental health support.
Technical skills: Utilized machine learning, full stack development and NLP.
HACKFEST 2025, Global Academy of Technology   **May 17, 2025**
Participated in a national-level business idea hackathon in association with SAP, NextGrids, and PSG iTech and presented a project idea titled "Transparent AI: A Business Dashboard for Ethical Decision-Making."