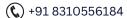# SAMPANNA

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○ https://github.com/SAMSHETTY0806

CAREER OBJECTIVE

An aspiring AI and Machine Learning engineer with a strong foundation in machine learning, computervision, and data analysis. Experienced in developing real-time emotion detection systems and eager tocontribute to AI-driven projects. Passionate about solving complex problems and optimising models forenhanced performance, with a keen interest in growth and making a meaningful impact in the rapidlyevolving field of AI and ML.

EDUCATIONAL QUALIFICATION

NMAM Institute of Technology, Nitte   **2023 - 2027**
Bachelor of Technology (B.Tech) in Artificial Intelligence & Machine Learning   **CGPA : 8.75**

Janatha Independent PU college , Hemmady   **2021-2023**
Karnataka State Board   **PERCENTAGE : 92**

Govt Junior College , Byndoor   **2018-2021**
Karnataka State Board   **PERCENTAGE : 81**

LEADERSHIP AND VOLUNTEERING

Operations Manager - FiniteLoop Club   **(June 2025 – Present)**
- Directed internal operations and supported club initiatives through strategic coordination.

Software Lead, Aeroclub Nitte   **(Jan 2025 – June 2025)**
- Handled logistics and team coordination for a national hackathon.

Finance Committee – Aeroclub Nitte   **(Aug 2024 – Present)**
- Managed budget planning and fund allocation for projects and competitions.

PROJECTS

Weather Report Website
- Built a responsive weather website using HTML, CSS, JavaScript, and API integration.

Emotion Detection System
- Developed a real-time emotion detection system using OpenCV, Flask, and PostgreSQL.
- Designed an interactive frontend with HTML, CSS, and JavaScript

Aero Club Website
- Built a website showcasing Aero Club projects and events with an interactive UI.
- Developed frontend with HTML, CSS, JavaScript, and backend content management.

Feasibility of Machine Learning Algorithm in Detection of Early Onset Neonatal Sepsis
- Developed a real-time ML model using Random Forest to detect early-onset neonatal sepsis.
- Analyzed NICU clinical data to identify key predictors and improve diagnostic accuracy.
- Built an end-to-end system for real-time risk prediction and clinical decision support.

Game Dev 4 – Java-based Web Game Hub
- Developed a web-based gaming platform using Java Swing, ensuring a smooth and interactive user experience.

ADDITIONAL INFORMATION

- **Technical Skills:** Python, SQL, Flask, Google Apps Script, Firebase,ML, AI, Data Analytics, Cybersecurity
- **Languages:** English, Kannada, Hindi
- **Certifications**: Google AI Essentials, Google Cybersecurity, Developing Soft Skills and Personality (NPTEL).
- **Awards/Activities**: Secured II place in Boeing National Aeromodelling Competition