

RENIKA YATHISH

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Objective

A motivated and detail-oriented AIML undergraduate with strong teamwork and management skills, eager to learn and grow in a professional environment. Seeking an opportunity to apply my technical knowledge and contribute to the success of the company.

Projects

Hospital Data Management System

Developed a comprehensive hospital data management system enabling appointment booking, doctor and patient data storage, and real-time access. Built using PHP for front-end, Java for backend logic, and SQL for database management, ensuring secure and efficient handling of records.

Gesture-based Virtual Mouse

Developed a Python-based gesture control system using computer vision (OpenCV) to move the cursor based on hand gestures. Enabled touchless interaction with the system, improving accessibility and showcasing the application of AI in HCI (Human-Computer Interaction).

Airfoil Analysis using Computational Tools

Performed comparative analysis of NACA 2411 and S1223 airfoils using computational tools to study aerodynamic efficiency, pressure distribution, and lift performance. Helped evaluate suitability for UAVs and low-speed aircraft, contributing to design optimization.

Smart Door Locking System

Created an IoT-based home security system using Arduino. It detects unauthorized access attempts and sends alerts, enhancing personal safety. The system integrates sensors and logic-based decision-making for better control and performance reliability.

Technical Skills

Languages: C, C++, C#, Python, Java, JavaScript

Web Technologies: HTML, PHP

Database: SQL, DBMS

Tools & Platforms: Arduino, SolidWorks, Ansys

Soft Skills

- Strong Observation and Analysis
- Decision Making
- Communication
- Multitasking
- Confidence and Team Collaboration

Education

St. Joseph Engineering College, Mangaluru, Karnataka <i>Bachelor of Engineering in Artificial Intelligence and Machine Learning</i>	<i>Present</i>
Sharada P. U. College, Kodialbail, Mangaluru, Karnataka <i>12th Grade PCMC</i>	<i>June 2023</i>
Canara High School, Dongerkery, Mangaluru, Karnataka <i>10th Grade</i>	<i>April 2021</i>

Extracurricular Activities

SJEC AERO – Aeromodelling Club

Member of the college’s aeromodelling club. Contributed to multiple successful aircraft builds and technical innovations.

SAE Team – SJEC AERO

Team member representing SJEC in SAEISS DDC 2025, securing All India Rank 1.

Sports Achievements

Represented All India South Zone Volleyball and Football Tournament (2024–25)

Student Coordinator – Sky Surge, TIARA 2025

Coordinated Sky Surge, a major aeromodelling event at SJEC’s annual tech fest, TIARA.