
Sharon Renji

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Aspiring Engineering Student

Detail-oriented and proactive Personal Assistant candidate with a strong academic foundation in AIML from Christ University, Bangalore, and a proven track record of managing multiple responsibilities with efficiency and professionalism. My experience as an Editor and core team member at INICIA has equipped me with exceptional organizational, communication, and coordination skills—essential for high-performing PA roles. I've successfully planned workshops, created engaging content, and collaborated with diverse stakeholders, both national and international.

Leadership & Experience

Vice Chair – IEEE AESS (Aerospace & Electronic Systems Society), Christ University

July 2025 – Present

- Leading the student chapter's initiatives in aerospace, embedded systems, and AI applications.
- Coordinating workshops, seminars, and technical events to promote innovation in aerospace and electronics.

Student Council Representative – Christ University

August 2025 – Present

- Collaborated with faculty and council members to improve student experience and resource management.
- Actively represented students, contributing to event planning, budgeting, and coordination across departments. Drafted and edited professional documents, maintained records, and handled confidential material with discretion.

Editor & Core Team Member – INICIA, Christ University

August 2025 – Present

- Provided high-level administrative support for editorial planning and strategic initiatives.
- Managed schedules, coordinated meetings, and ensured smooth communication between internal teams and external collaborators.
- Drafted and edited professional documents, maintained records, and handled confidential material with discretion.

IEEE GRSS EXECOM & ComSoc Member

December 2024 - Present

- Assisted in end-to-end event execution for a high-profile university event with international participants.
- Managed planning timelines, coordinated with multiple stakeholders, and ensured prompt communication and follow-ups.
- Designed presentation materials and supported the team in document organization and on-site coordination.

Center for Excellence - ADAS Project Team Lead

May 2025 - July 2025

- A hardware-driven steering control mechanism for autonomous driving systems was designed, utilizing a linear actuator.
- Focused on converting simulated driving data into precise actuator control for Advanced Driver Assistance Systems.
- Demonstrated initiative in problem-solving and the ability to multitask effectively in deadline-driven environments.

Projects

Autonomous Vehicle Control (Embedded Systems + Deep Learning)

- Built a CNN-based behavioral cloning model with Keras/TensorFlow to autonomously navigate the simulator.
- Designed a steering control prototype with PAI 01 Linear Actuator (24V DC) and TCRT5000 IR sensors for position detection.
- Implemented precise $\pm 45\text{mm}$ actuator stop control for accurate steering in real-world testing.

Climate Event Prediction & Visualization System (Ongoing)

- Developing a machine learning-based system to predict tornadoes, dust storms, and extreme weather events using NASA Mars Climate datasets & Earth atmospheric data.
- Implementing time-series forecasting and anomaly detection models to identify early warning signals for severe climate patterns.
- Impact (Expected): Aims to provide an integrated platform for climate risk forecasting and visualization, useful for research and disaster preparedness.

Skills

Technical: Python Programming, Natural Language Processing, and Machine Learning, Experienced in Automation, Data Analysis, YOLO and OpenCV. Skilled in Speech Recognition & Pyttsx3, SpeechRecognition.

Soft Skills: Strong expertise in Schedule & Calendar Management, Task & Project Coordination, Event Planning & Communication. Demonstrated ability to handle Discretion & Confidentiality, excel in Time Management & Prioritization

Languages: English (Professional), Hindi (Native), Malayalam (Native)