

SARANSH MIDDHA

CONTACT

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Pune, India

PROFILE SUMMARY

Experienced professional with a strong background in technology-related roles. Proficient in software development, system administration, and technical support. Skilled in problem-solving and optimizing performance. Capable of managing projects and collaborating effectively with teams. Committed to continuous learning and staying current with industry trends to contribute to organizational success.

EDUCATION

2021-2025
MIT WORLD PEACE UNIVERSITY
CGPA: 7.77

2004-2021
SIMIGO INTERNATIONAL SCHOOL
X: 92%
XII: 77%

LANGUAGES

- C
- C++
- Java Script
- CSS
- HTML
- Python

CERTIFICATIONS

- Cognizant AI Job Simulation
- JP Morgan Software Engineering Job Simulation
- Deep Learning Mastery
- Signal Processing Onramp (MATLAB)
- Digital System Design for FPGA & ASIC

WORK EXPERIENCE

Jnana Prabodhini JUNE 24 - DEC 24
Web developer & Game developer

- Created distinctive and appealing games by devising fresh and engaging art, sound, video and AI behaviors.
- Analyzed user feedback from beta testers to identify areas of improvement for the final release version of a game title.
- Maintained source control system by managing versions of project files used during development cycle.
- Wrote code to determine mechanics and gameplay of new software.
- Ensured seamless functionality during VR lab setups and demonstrations.
- Tech stack used - HTML, CSS, JS, Wordpress.

Lera Robotics FEB 25 - MAY 25
Web & Game developer

- Maintained strong education in latest technologies, software, and hardware products for use in various projects.
- Managed content updates on websites with WordPress.
- Designed user interface elements such as menus, HUDs, buttons. in Adobe Illustrator.
- Tested and debugged code to ensure functionality met design requirements.
- Tech stack used - C, C++.

Field Experience 2024 - 2025
Workshops

- AR/VR Lab Setups & Olympiad Facilitation, Nigdi Science Park, PKMG School, Vidya Valley School, Poonch (Jammu & Kashmir)
- IoT Workshops, Jawahar Navodaya Vidyalaya
- VR Workshops, Poonch (Jammu), Pune

WIRE FRAMES & BACKEND

- SQL
- Figma
- Canva

SKILLS

- Project Management
- Public Relations
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking

PROJECTS

Self-Learning Adaptive Filter for Hearing Aids using Q-Learning

- An intelligent audio filter that continuously adapts to noisy environments using Q-Learning.
- Improves speech clarity for the hearing impaired.
- Real-time implementation under resource constraints

Virtual Kiosk Website

- An immersive virtual tour platform for Jnana Prabodhini, enabling digital campus experiences.
- <https://nisargamitra.org/>
- <https://www.jnanaprabodhini.org/virtualkiosk/>

Ultrasonic Glasses for the Visually Impaired

- Designed and implemented glasses with ultrasonic sensors, providing audio feedback
- about nearby objects to aid visually impaired users.

Hand Gesture Recognition Model

- Developed an Android app using MediaPipe's hand tracking for real-time gesture
- recognition, enabling interactive applications.

Object Detection Model

- Designed an Android app with MediaPipe's object detection for real-time object classification.
- Integrated with the "Ultrasonic Glasses" project to provide object information via smart glasses