

SAGAR RAVINDRA MANCHAKATLA

sagarmanchakatla01@gmail.com | [linkedin.com/in/sagar-manchakatla](https://www.linkedin.com/in/sagar-manchakatla) | [sagar-portfolio](#)

EDUCATION

Bachelors in Computer Engineering <ul style="list-style-type: none">Thadomal Shahani Engineering College, Bandra, Mumbai - CGPA : 9.37	2023 - 2026
Diploma in Instrumentation Engineering <ul style="list-style-type: none">Government Polytechnic, Bandra, Mumbai - 94 %	2020 - 2023

AWARDS AND CERTIFICATION

- Microsoft-Azure AZ-900**
- 1x Hackathon Winner:** Codeissance - CodeStorm, TSEC - Travel-Ease

WORK EXPERIENCE

MERN and Python Mentor , Static Int. Educare <ul style="list-style-type: none">Mentored over 200 students, teaching Python from basics to advanced levels. Covered Data science libraries such as NumPy, Pandas, Streamlit, and Matplotlib. Included basic Exploratory Data Analysis (EDA). Introduced web development fundamentals. Covered JavaScript and the MERN stack. Emphasized hands-on learning through projects and practical exercises. Provided personalized feedback. Fostered a collaborative environment. Helped students build confidence and skills to excel in the tech industry.	July 2024
Machine Learning Intern, Internz, India <ul style="list-style-type: none">Learning AI/ML and Applications: Studying under the mentorship of experts from top multinational companies (MNCs). Gaining deep insights into artificial intelligence and machine learning concepts. Collaboration and Networking: Collaborating with fellow developers to exchange knowledge and ideas. Building a strong professional network within the AI/ML community. Hands-On Projects: Working on practical projects to apply theoretical knowledge. Enhancing practical skills through real-world problem-solving.	Feb 2024

PROJECTS

Endless Runner Python, MediaPipe, scikit-learn, OpenCV, Unity <ul style="list-style-type: none">Developed a hand gesture recognition system using Python, OpenCV, MediaPipe, and scikit-learn. Implemented real-time detection to translate gestures into keyboard commands and integrated the system with a Unity game for gesture-based control, enhancing user interaction and providing innovative control methods for various applications.	Code
Care Connect: Unified platform for Old age homes and Orphanage MERN <ul style="list-style-type: none">An innovative web platform designed to bridge the gap between NGOs and volunteers. The platform allows NGOs to efficiently showcase their events, such as donation drives and community outreach programs, while providing volunteers with a seamless interface to discover and participate in causes that align with their interests.	View Code
Connect.io: Video Conferencing application NextJS <ul style="list-style-type: none">A video conferencing application that is build Stream SDK, designed to facilitate seamless virtual meetings along with features such as attendance tracking, private meetings, scheduling meets, recording, etc.	Code
Travel-Ease: Travel Guide for Disabled Individuals <ul style="list-style-type: none">Developed an AI-powered travel platform with accessibility features including hotel recommendations, sign language detection, and text-to-sign language translation. Integrated emergency SOS, voice chatbot, maps for accessible navigation, and object detection to enhance the travel experience for users with disabilities. The platform also includes cross-platform compatibility and advanced image analysis for improved accessibility.	Code

TECHNICAL SKILLS

- Languages:** C, Python, Java, JavaScript, SQL
- Machine Learning & DataScience:** Pandas, NumPy, Matplotlib, Streamlit, Scikit-learn
- Web Development:** HTML, CSS, JavaScript, ReactJS, Node JS, Express JS, Next JS
- Database:** MySQL, MongoDB
- Basic of AIML**
- Basic of Cloud Computing-Microsoft Azure**