

# SHREERAM SANKAR

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## WORK EXPERIENCE

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### VIRTUSA

Chennai, India

Intern Delivery ,

Aug 2023 - Dec 2023

- Led a team in the development of an innovative sustainability platform featuring a comprehensive carbon footprint analyzer. made the design and implementation of user-friendly dashboards that visualize carbon impact and sustainability metrics.
- Conducted extensive competitive and sentiment analysis on various companies' ESG (Environmental, Social, and Governance) scores to enhance the functionality and user engagement of the Insight ESG platform.
- Analyzed website footprints using the Carbon Nexus platform, integrating findings into the sustainability platform to provide a holistic view of organizational impact on the environment.

### URBASER SUMEET

Chennai, India

Project Intern

Mar 2023 - Aug 2023

- Developed a comprehensive CRM portal and Access portal, enhancing customer relationship management processes. Gained robust web development skills in front-end and back-end technologies, while collaborating with cross-functional teams to gather requirements, conduct user testing, and refine functionalities.
- Created a prototype for a Smart Waste Management System using IoT to optimize waste collection in cities, implementing sensors for real-time monitoring of waste levels and providing data analytics to improve operational efficiency.

### IBM

Chennai, India

Virtual Intern

Sep 2022 - Nov 2022

- Completed an AI-focused virtual internship, individually developing a real-time hand sign recognition model using machine learning and computer vision techniques. Engaged in data collection, preprocessing, and model training with TensorFlow and OpenCV, enhancing model accuracy and showcasing applications in sign language translation and accessibility.

## EDUCATION

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### NEW YORK UNIVERSITY TANDON SCHOOL OF ENGINEERING

New York, NY

Master of Science in Computer Science

Expected May 2026

Relevant Coursework: Information Visualization, Computer Networks, Design and Analysis Of Algorithms

### RAJALAKSHMI ENGINEERING COLLEGE

Chennai, India

Bachelor of Engineering in Computer Science and Engineering

Nov 2020 - May 2024

## UNIVERSITY PROJECTS

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### MULTIMODAL FUSION FOR BRAIN MEDICAL IMAGE SEGMENTATION

Jan 2024

- Conducted the research project focusing on integrating imaging modalities to enhance diagnostic accuracy for brain diseases.
- Published findings from the research project in IEEE ( <https://ieeexplore.ieee.org/document/10627205> ) at the 2024 International Conference on Intelligent Technologies (CONIT) in Bangalore, India.

### INNOVATIVE APPROACHES IN CATARACT DETECTION: EXPLORING TRANSFER LEARNING AND IMAGE SEGMENTATION TECHNIQUES

May 2024

- Published in: IEEE, 2024 International Conference on Smart Systems for Applications in Electrical Sciences, Tumkur, India ( <https://ieeexplore.ieee.org/document/10561398> )
- Developed and tested a computer-based system that detects cataracts in eye images, using convolutional neural networks to distinguish between healthy eyes and those affected by cataracts.

## ADDITIONAL

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**Technical Skills:** Advanced in SQL, PHP, Javascript, HTML/CSS; Proficient in Tableau, Python, C, Uipath

**Certifications & Training:** UiPath Academy RPA Foundation, Google Compute Engine, Python Data Structure

**Awards:** Title Explorer for Sustainable Nexus web app (Virtusa Jatayu Hackathon); Best Paper Presentation (Sustainability Nexus Ideathon, SIST University); Award for DNA Analysis Software AI and ML (REVA Ideathon 2022)