

SANJAY CHARITESH MAKAM

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Education

Rochester Institute of Technology

Bachelor of Technology in Computing and information technologies

Oct. 2022 – May 2026

Rochester, New York

Experience

Nexus Info

Web Development Intern

April 2024 – May 2024

Coimbatore, India

- Developed an end to end website for a restaurant client
- Developed secure user authentication and authorization mechanisms for the website.
- Implemented user registration, login, password reset, and role-based access control functionalities.
- Gained proficiency in HTML, CSS, JavaScript, and front-end frameworks.

Projects

E-Commerce Website | *HTML, CSS, JavaScript, Firebase*

- Developed a fully responsive e-commerce website using HTML, CSS, and JavaScript.
- Utilized Bootstrap for a user-friendly and visually appealing interface.
- Implemented core e-commerce features: product listings, product detail pages, shopping cart, and checkout processes.

Chat Genie | *HTML, CSS, JavaScript, Python, Google Colab, Gradio*

- Developed a generative AI application similar to ChatGPT by utilizing natural language processing techniques to create an interactive chat interface.
- Implemented machine learning models to understand and generate human-like text responses.
- Integrated front-end technologies such as HTML, CSS, and JavaScript for a seamless user experience.
- Fine-tuned the AI model to improve response accuracy and relevance.

Singapore Tourism Website | *HTML, CSS, JavaScript, Php*

- Developed a dynamic and visually engaging tourism website, highlighting Singapore's history, food, nature, and activities.
- Implemented interactive features such as slideshows, mouseovers, and a comprehensive gallery for every section and created an interactive UI using HTML, CSS, and JavaScript.
- Integrated a feedback form with PHP for structured data collection, enhancing user interaction and backend communication.
- Designed the site with a consistent theme, featuring a modern green color scheme and intuitive navigation.

Technical Skills

Languages: C/C++, Python

Web Frameworks: HTML, CSS, JavaScript, React.js, MongoDB, Php, SQL

Libraries/Tools: Jupyter Notebook, NumPy, Google Colab, Git, Unix

Activities and Achievements

- Nominated as one of the top teams in an internal hackathon to represent the university at the national level Smart India Hackathon.
- Participated in the 48-hour hackathon event "Code4Change" organized by the Office of Student Welfare, collaborating with a team to develop innovative solutions to real-world challenges within a limited timeframe, demonstrating strong problem-solving skills, teamwork, and the ability to thrive in high-pressure environments.
- Achieved a perfect score of 100/100 in the NPTEL course on forest and their management, demonstrating exceptional understanding and proficiency in the subject matter.
- Actively contributed as a Radio Jockey in the radio club by hosting engaging and entertaining shows while fostering a vibrant campus community through music, discussions, and interactive content.
- Played an active role in the Matrix Multimedia Club during the past year, participating in various multimedia-related activities, workshops, and events to explore and enhance skills in areas such as photo design, video editing, and multimedia production, contributing to the vibrant creative community on campus.
- Solved over 300 competitive programming questions on multiple platforms
- Designed and Developed Over 15 Websites
- Content Creator on Technology and Related Topics for over 3+ years on YouTube.