SANJAY CHARITESH MAKAM

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🐙 github.com/makamsanjay 🔲 Portfolio

Education

Rochester Institute of Technology   Oct. 2022 – May 2026
Bachelor of Science in Computing and Information Technologies   *Rochester, NewYork*

Experience

Nexus Info   April 2024 – May 2024
Web Development Intern   *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

Chat Genie | *HTML, CSS, JavaScript, Python, Google Colab, Gradio*
- Built ChatGPT-like AI chatbot with NLP for human-like text generation
- Integrated frontend UI with backend ML model for seamless interaction
- Fine-tuned model parameters to optimize response quality

Smart Dynamic Form | *JavaScript, JSON, HTML, CSS*
- Created intelligent form with interdependent dropdowns and JSON-managed conditional logic
- Implemented persistent user data through localStorage/cookies for auto-filling returning visitors
- Developed personalized results display based on user's form selections and preferences

Food Munch | *HTML, CSS, JavaScript, Firebase*
- Built restaurant platform with Firebase auth and real-time menu/cart management system
- Designed responsive UI with search, video gallery, and randomized discount features
- Optimized user flow with smooth animations and mobile-first design principles

Singapore Tourism Website | *HTML, CSS, JavaScript, PHP*
- Built a dynamic tourism portal showcasing Singapore's attractions with interactive galleries and UI elements
- Implemented PHP backend for feedback form data collection and processing
- Designed with cohesive green theme and intuitive navigation for optimal user experience

Technical Skills

Languages: Python, Bash, Java
Web Frameworks: HTML, CSS, JavaScript, React.js, Php, MySQL
Libraries/Tools: Jupyter Notebook, Google Colab, Git, Unix, Fine tuning, Basic Automation, Bootstrap

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.