

# Rythm Sanghvi

Tucson, Arizona, US

[rythmsanghvi@arizona.edu](mailto:rythmsanghvi@arizona.edu) | <https://www.linkedin.com/in/rythmsanghvi> | <https://rythmsanghvi.com>

## EDUCATION

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**University of Arizona, College of Science**

Bachelor of Science in Computer Science

**Minor:** Info, Sci, Tech & Arts (ISTA)

**GPA:** 3.88

**Honors:**

Academic Year Highest Academic Distinction

Dean's List with Distinction Honors

**Tucson, Arizona**

**Expected Graduation: May 2025**

**(Summer 2021 – Spring 2022)**

**(Summer 2022 – Spring 2023)**

## TECHNICAL SKILLS

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**Proficient in programming languages:** Python, Java, C, MIPS, R, JavaScript, TypeScript, Unix

**Development:** HTML, CSS, JavaScript, React, Next.js, Flask, WordPress, MySQL, Tailwind CSS, Git, GitHub, Docker, AWS, Cloud Computing.

**Data Structures:** Arrays, Linked Lists, Stacks, Queues, Trees, Graphs, HashMap

**Algorithms:** Sorting, Searching, Dynamic Programming

## EXPERIENCE

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### COMPUTER SCIENCE AMBASSADOR

*University of Arizona, Tucson, AZ*

**January 2024 - Present**

- Represented the University of Arizona as a Computer Science Ambassador, promoting the department's initiatives, programs, and opportunities to prospective students, parents, and visitors.
- Provided guidance, mentorship and inspiration to incoming students, facilitating their transition into the Computer Science program.
- Organized hackathons, workshops, and events for over 20 high school students, resulting in a 70% increase in interest in computer science education.
- Participated in outreach events and recruitment activities to engage with diverse audiences and foster interest in computer science education.
- Collaborated with faculty and staff to develop promotional materials and strategies to enhance the department's visibility and recruitment efforts.

### FREELANCE WEB DEVELOPER

*Mani's Collection, Dubai, UAE*

**Dec 2020 - March 2024**

- Designed, developed, and maintained the company's e-commerce website on the WordPress platform, resulting in a 20% increase in monthly online sales and seamless online shopping experience for customers.
- Implemented and customized e-commerce plugins and features to optimize product listings, shopping cart functionality, and checkout processes.
- Consulted with the marketing team to integrate digital marketing strategies, such as email marketing automation and social media integration, to boost online sales and conversions, resulting in a 40% increase in website traffic and a 25% increase in social media engagement.
- Ensured the security of customer data and payment processing through robust e-commerce security protocols, resulting in zero reported security breaches during the tenure.

[ Website Link: <https://www.maniscollection.com> ]

## FREELANCE WEB DEVELOPER

*Mani's Recruitment , Dubai, UAE*

**Sep 2022 - March 2024**

- Successfully designed, developed, and launched a custom WordPress-based recruitment and job hiring website for Mani's Recruitment, streamlining the hiring process and enhancing candidate experience.
- Created and customized WordPress themes, plugins, and features to facilitate seamless job posting, candidate application, and employer management.
- Conducted regular maintenance, updates, and troubleshooting to ensure the WordPress-based website's functionality, security, and performance.
- Collaborated closely with the HR team to implement an applicant tracking system, enhancing candidate sourcing and selection processes.

## STUDENT WORKER - FAST FOOD RESTAURANT

*University of Arizona , Tucson, AZ*

**Oct 2021 - May 2022**

- Demonstrated strong customer service skills in a fast-paced environment, ensuring an exceptional dining experience for more than 100 patrons a day.
- Collaborated with a group of 10 employees to efficiently manage food preparation, cooking, and service during peak hours.
- Assisted with inventory management, including ordering and restocking supplies to maintain efficient restaurant operations.

## PROJECTS

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### AI Chat Assistant

*Personal Project*

- Led the end-to-end development and deployment of an AI-powered chat assistant, utilizing React.js for the frontend, Flask for the backend, and hosting on Vercel.
- Key features include real-time chat logs, OpenAI's GPT-3.5 Turbo integration, and a dynamic dark mode toggle for accessibility. Ensured a seamless user experience with error handling and updates.
- Real-time chat log display with role-based formatting. Integration with OpenAI API for intelligent response generation. Dynamic dark mode toggle for personalized user experience and accessibility.
- Demonstrated effective collaboration between frontend and backend technologies. Achieved a successful deployment, providing users with an interactive AI chat experience.

### 0-1 Knapsack Problem Analysis

*College Project*

- Orchestrated collaborative efforts with a team of 4 for the comprehensive analysis of the 0-1 Knapsack problem.
- Spearheaded the coding efforts for the Recursive Knapsack Algorithm, a crucial component addressing the 0-1 Knapsack Problem.
- Developed the entire Recursive Algorithm, employing dynamic strategies to optimize item selection for maximal total value.
- Established and executed comprehensive test cases, ensuring the accuracy and robustness of Recursive, Dynamic Programming, and Genetic Algorithm implementations.
- Designed and implemented a merger main class, contributing to project modularity and seamless integration of algorithmic components.

## CERTIFICATIONS

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HACKERRANK - PYTHON

**Dec 16 2021**

<https://www.hackerrank.com/certificates/e70471df2a19>

COMPLETE PYTHON BOOTCAMP

**July 19 2022**

<https://www.udemy.com/certificate/UC-a957e5ba-308e-49dd-8132-526fc659c990/>