Jainil Desai

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EDUCATION

University of Connecticut   **Stamford, CT**
Computer Science | Software Dev. Specialization | GPA: 4.0 | Dean's List   *Graduation Date: May 2025*

Academy of Information Technology and Engineering   **Stamford, CT**
Project Lead the Way - Pre-Engineering Track | GPA: 3.85   *Graduation Date: Jun 2022*

EXPERIENCE

Research Assistant | University of Connecticut   **Stamford, CT**
HTML | CSS | React | Django   *Feb 2023 - Present*

- Developed and implemented a novel approach using React to connect the bridge between hardware and software
- Leveraged expertise as a research assistant to contribute to the design and execution, utilizing Arduino boards to seamlessly connect and integrate hardware components with software systems
- Enhanced the user experience of the project by combining skills in React, HTML, and CSS to create an intuitive front-end interface, and implementing Django on the backend for efficient data flow management

Q - Center | University of Connecticut   **Stamford, CT**
Computer Science and Chemistry Tutor   *Aug 2023 - Present*

- Provided tutoring support for a range of classes including Computer Science — Intro to Computing and Data Structure and Algorithms (DSA) — and intro and advanced Chemistry
- Developed personalized study plans for students resulting in a better understanding of computer science and chemistry concepts
- Demonstrated expertise in computer science and chemistry topics, guiding students through coding challenges, algorithm design, data structures, and chemical reactions, fostering a deeper understanding of the subjects

Micro-Internship | University of Connecticut   **Stamford, CT**
Sentiment Analysis: Python | Google Cloud Platform   *Jul 2023 - Aug 2023*

- Collaborated within a group setting that spanned across various schools within the state, the essence of this project lay in applying sentiment analysis to extract invaluable insights from stock data and news articles
- Engineered a solution that adeptly captures and deciphers market sentiment through the integration of data and advance algorithms

Google Soln. Challenge | University of Connecticut   **Stamford, CT**
Python | Google Cloud Platform   *Mar 2023 - May 2023*

- Developed a translation service which aimed to make it easier for teachers to convey information and instructions to these students, ensuring everyone could effectively engage in the learning process requested by Governor Ned Lamont
- Revolutionized accessibility for non-English-speaking parents in Connecticut's public schools, strengthening the parent-school relationship

PROJECTS

ToDo App
HTML | CSS | React.js   *Aug 2023 - Aug 2023*

- Designed and built a dynamic ToDo application using HTML, CSS, and React, featuring comprehensive task management capabilities including task addition, completion tracking, and task removal

Tic Tac Toe
Swift | SwiftUI   *Jul 2023 - Jul 2023*

- Developed a fully functional Tic Tac Toe game with interactive gameplay and a user-friendly interface using SwiftUI and Swift

Card Workout Game
Swift | UIKit   *Jul 2022 - Jul 2022*

- Designed and programmed a Swift-based iOS app utilizing UIKit framework, featuring an interactive deck of cards that triggers a timer and displays a randomly selected card when the stop button is pressed. Goal is to complete a certain number of repetitions (indicated by the card) of a certain exercise (indicated by the suit)

SKILLS

Technical: Python OOP, HTML, CSS, Bootstrap, Javascript, React, Django, Swift, UIKit, SwiftUI, Amazon Web Services, Google Cloud

Relevent Courses: Web Dev I, Data Structures and Algorithm, Intro to Software Engineering, Systems Programming, Cybersecurity

CERTIFICATION

AWS Certified Cloud Practitioner | Amazon DynamoDB Immersion Day Participant | AWS Identity and Access Management Immersion Day Participant