Rodela Ghosh

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Tampa, Florida

SUMMARY

Student at USF, trying to get better every day. One step at a time.

OBJECTIVE

Seeking an on-campus position at USF, with a focus on opportunities related to Computer Science, where I can apply my skills and contribute to the university community

KEY COMPETENCIES

Python	Critical thinking skills	Proactive and self-motivated
Microsoft Office	Excellent communication skills	Problem solving skills
HTML	Strong interpersonal skills	Supabase
CSS	C#	Express JS
Assembly	Javascript	React

EXPERIENCES

Academia Lalmatia   **Dec 2023 - April 2024**

Teaching Assistant

Took Substitute classes for students in the senior section (class 8 to 12)
Assisted teachers in planning and delivering lessons to students
Invigilated mock examinations, ensuring students did not cheat
Edited question papers for mock examinations with PDF Xchange editor
Checked mock examination papers

SASE Hackathon Participant   **4 October,2024 - 6 October, 2024**

Contributed to the development of Bocky The Book along with teammates,
a user-friendly search algorithm that helps children easily discover
interesting events from specific years.

Stop-Motion Animation   **26 February, 2025 - 30 April, 2025**

Collaborated with a teammate to create a stop-motion animation video
highlighting the issue of unequal access to knowledge as part of the
IDH3100 (Honors Arts and Humanities) course.

HACK USF 2025   **Apriil 5, 2025, April 6, 2025**

Worked on front end development for a site that uses AI to classify cells
as cancerous or non-cancerous, while learning about how AI models work

Origami bot Assignment Completion   **September 20, 2024**
Part of a team project in EGN 3000L class
Made an origami bot in EGN 3000L class

Volunteer at Bangladesh Student Association (BSA)   **1 October,2024 - Present**
 Active volunteer, helping to organize various cultural events.

Thesis Project   **September 23, 2024 - Present**
Currently working on a thesis about the impact of screen-time on
development as part of the Honors Acquisition of Knowledge class
Link to thesis draft: https://shorturl.at/iDXR5

Personal Hobby: Art Channel on YouTube   **November 2021 - Present**
Made and maintained an art channel on YouTube
https://youtube.com/@artooze9707?si=XvDYJjw9kc0yPOJV

PROJECTS

CreatorVerse
This full CRUD web app empowers users to contribute by adding new creators, updating profiles,
and browsing an ever-growing collection of YouTube channels. Built with Supabase

Password Generator Web App
Developed a browser-based password generator allowing users to customize length and character
types.

Unit Converter Web App
Created a multi-category unit converter supporting conversions for length, volume, temperature, and
more.
Implemented dynamic dropdowns and responsive design using JavaScript and CSS.

ReactFacts App (React Introduction Project)
Built a modular React app to demonstrate JSX, component architecture, and rendering.
Used JSX, functional components, and CSS styling.

Lead Tracker – Chrome Extension
Developed a Chrome extension for saving and managing browser tabs as sales leads.
Used localStorage, DOM manipulation, and JavaScript events to create interactive functionality.
Learned Chrome APIs, manifest configuration, and asynchronous callbacks.

Origami Bot – EGN 3000L Course Project
Contributed to team project to design and build a functioning origami bot as part of engineering
coursework.
Applied creative problem-solving and collaboration in a lab setting.

AI Cancer Cell Classifier (HackUSF 2025)
Worked on the frontend of a web app that classifies cells as cancerous or non-cancerous using AI.
Gained hands on experience with frontend design and AI model integration

Bocky the Book (SASE Hackathon 2024)
Collaborated with a team to create a search algorithm that helps children discover historical events in a user-friendly format.
Focused on accessibility, simplicity, and education-driven design.

Stop-Motion Animation Project (IDH3100 Honors Course)
Created an original stop-motion video on unequal access to knowledge, combining creative storytelling and digital media skills.

EDUCATION & CERTIFICATIONS

Bachelor of Science in Computer Science

Expected Graduation semester: Spring 2028

Part of the Honors College Community at USF

Future Certifications (Fall 2025)

CodePath Advanced Web Development
CodePath Intermediate Interview Prep

MENTIONABLE AWARDS

Green and Gold Presidential Award at USF	December 8, 2023
Edexcel High Achievers Award	March 9, 2024
Daily Star Award	February 20, 2024