

Rodela Ghosh

Tampa, Florida

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Objective

Honors student in Computer Science at USF seeking opportunities to apply technical, research, and teamwork skills in academic and professional projects. Passionate about web development, machine learning, and community engagement.

Education

University of South Florida, Honors College

B.S. in Computer Science

Spring 2027

GPA: 3.9

Future Certifications (Fall 2025): CodePath Advanced Web Development, CodePath Intermediate Interview Prep

Additional Certifications: Kaggle Intro to AI, Kaggle Intermediate Machine Learning

Professional Experience

Undergraduate Research Assistant (Frontend Development) — University of South Florida

Sep 2025 – Present

- Build a web application to display results from a professor's machine learning model predicting optimal protein sequences.
- Implement a user-friendly interface for visualizing predictions and model performance.
- Gain exposure to backend tools such as FastAPI and ngrok while integrating frontend with research pipelines.

Web Developer (Anticipated Work) — WiCSE (Women in Computer Science & Engineering), USF

Sep 2025 – Present

- Assist in the development and maintenance of the WiCSE organization's website.
- Enhance usability, accessibility, and design for community engagement.

HEAT Peer Educator — University of South Florida

Aug 2025 – Present

- Lead peer-to-peer health education workshops promoting well-being.
- Strengthen public speaking, teamwork, and health communication skills.

Teaching Assistant — Academia, Lalmatia, Bangladesh

Dec 2023 – Apr 2024

- Substituted senior classes (grades 8–12).
- Assisted in lesson delivery, exam invigilation, and grading.

Technical Skills

Languages & Web: Python, JavaScript, HTML, CSS, Assembly, C#, C++

Frameworks/Tools: React, Node.js, Express.js, Supabase, PostgreSQL

Machine Learning: Scikit-learn, pipelines, regression models

Other: Microsoft Office

Soft Skills: Critical thinking, communication, teamwork, proactive/self-motivated

Selected Projects

Graduate Admission Predictor — Python, scikit-learn, pandas Built and deployed a machine learning model using linear regression to predict graduate admissions.

FuelSense — Machine Learning Web App Predicted vehicle fuel efficiency using multiple regression on car attributes.

AI Cancer Cell Classifier (HackUSF 2025) Developed the frontend of an AI-powered web app for classifying cells.

Bocky the Book (SASE Hackathon 2024) Designed a search algorithm to help children discover historical events.

Origami Bot (EGN 3000L) Team-built a functional origami robot using creative problem-solving.

Other Projects: CreatorVerse (Supabase CRUD app), Password Generator, Unit Converter, ReactFacts App, Lead Tracker (Chrome Extension), Stop-Motion Animation Project.

Leadership & Involvement

- Volunteer, Bangladesh Student Association (Oct 2024 – Present)
- Hackathon Participation: HackUSF 2025, SASE Hackathon 2024
- Thesis: Investigating the impact of screen-time on development (Ongoing)