

SHRISHON KUMARASRI

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<https://shrishonk.github.io/>

EDUCATION

University of Florida - BS in Computer Science

April 2027

- Undergraduate Research Scholars Program and Honors student.
- Pursuing a Bachelor's Degree in Computer Science on a Pre-Medical track.

EXPERIENCE

Tang Lab - Undergraduate Researcher

May 2024 - Current

- Imaged PC9 cancer cells to observe the YAP dynamics and how it interacted with currently available therapy drugs.
- Performed data analysis on Atomic Force Microscopy readings
 - Used Python, JPK Force Reader, Numpy, and Pandas
- Developing a camera and projector assembly using hot and cold mirrors

PROJECTS

SummarAIze - Developer

February 2025 -

April 2025

- Created and developed an AI summarizing tool that summarizes research papers using a Chrome Extension
- Implemented an LLM and HTML injection to summarize articles
- Implemented an Express API to update the Firebase Database
- Implemented a card view, notebook organization, and deletion
 - Developed using HTML, React, CSS, Express, Firebase

Skinterest - Lead Developer

December 2024-

Current

- Created a mobile app using React Expo and Tensorflow
- Utilizes the HAM10000 database to train the model
- Uses the device camera or gallery to take a picture of the user's skin to determine if they have:
- Uses ResNet50 and Data Augmentation
 - Developed using React Expo, Tensorflow, ResNet50, Typescript

AnnodeSA - Developer

November 2023 -

December 2023

- Created a sports analytics website hosted with Streamlit
- Collected data from fans on Reddit and Twitter on the NBA, NFL, NHL, and MLB
- Used fan sentiment to determine the deviation of sentiment score to ranking score can be used to predict future performance of a team
 - Developed using Python and visualized using Streamlit
 - Utilized numpy, pandas, scipy, and plotly

SKILLS

- | | | |
|-------------------------------|----------------------------------|---------------------|
| • Python | • Figma | • ResNet50 |
| • C++ | • R | • XGBoost |
| • HTML5 | • Numpy | • Open CV |
| • React Native | • Pandas | • Tailwind CSS |
| • CSS | • Matplotlib | • Express API |
| • JavaScript | • Tensorflow | • Firebase Database |
| • Typescript | • Data Structures and Algorithms | • Firebase Auth |
| • Object Oriented Programming | • Hidden Markov Models | • Chrome Extensions |
| • API Keys | • Data Augmentation | • Groq |