# Arwin Arun Swapna

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## EDUCATION

**University Of South Florida** — **Tampa, FL**

**Bachelor of Science in Computer Science** — **Expected: 2024**

**Key specialized courses**: Program Design, Programming Concepts, Data Structures and Algorithms — **GPA: 3.65**

**Organization/ Clubs:** SHPE, AIChE, ACM

## SKILLS & INTERESTS

- Programming: **Python, C#, HTML, CSS, SCSS, JavaScript, ReactJS, Tailwind CSS, VB.NET, ASPx.NET**
- Technologies/Environment: **MySQL, Git, GitHub, Agile-Jira, Django, Azure DevOps**
- Awards: **USF Green & Gold Scholarship (2019 – 2024), USF Tampa Library Scholarship (2021)**

## EXPERIENCE

**Tenex Software Solutions** — **Tampa, FL**

Software Engineer Intern — **Aug 2022 – Present**

- Develop user interfaced using HTML, CSS, JavaScript, and Visual Basic to improve old code bases to modern development standards, improving functionality.
- Increase response times by reducing database transition by **66%** on the LiveResults .Net Application
- Leverage problem-solving skills to resolve bugs reported by clients, resolving **85%** of issues independently

**Asea Brown Boveri (ABB)** — **Greenville, SC**

R&D Intern — **Aug 2021 – May 2022**

- Built an Interactive App using Python for data collection from Swagger API, making data accessible to future interns and engineers
- Setup an On-Premises gateway using Raspberry PI, Python for logging data from ABB Ability Smart Sensors
- Utilized Python to create test scripts to assess the BLE range of the sensors, create a range model using the data and calculated the reliability at fixed distances. Used this model to give feedback to R&D Engineers for product improvement
- Used Keysight BenchVue to obtain battery discharge data of the sensors and utilized the data to predict the longevity of the sensors

**USF – Digital Humanities and Heritage Collections** — **Tampa, FL**

Software Developer — **Mar 2020 – Aug 2021**

- Created a 3D modeling device using Raspberry Pi and multiple cameras to capture and render models
- Developed App using C#, which harvests metadata via Sketchfabs's API for the new/updated resources for USF 3D models collections
- Successfully transferred inbound data from Sketchfabs's API to SQL Database, and maintained periodically

## INVOLVEMENT

**Chem E Car – Electrical Technology Lead** — **Tampa, FL**

American Institute of Chemical Engineers — **Dec 2020 – May 2021**

- Collaborated with other leads to participate in the annual Chem E Car competition.
- Worked as a team to create an electrical system to stop the car at the exact distance, revealed the day of competition

## PROJECTS

**Monkey Pox Tracker** — **Aug 2022 – Present**

- Create a WebApp using React and React-Simple-Maps to visualize Monkey Pox cases around USA
- Design a REST API using Django to serve over 5**0000+** Monkey Pox data to WebApp Components

**Facial Recognition App** — **June 2022 – July 2022**

- Develop a dynamic website using HTML, CSS, JS and React to detect faces in an image
- Used Clarifai Facial Recognition model to obtain face data

**Personal Portfolio Website – v3** — **June 2022 – Present**

- Design the third iteration of my portfolio website using HTML, SCSS, React, Tailwind CSS - hosted on Netlify
- Used LeetCode API to show Real-Time data of LeetCode questions solved categorized according to difficulty