

# Rishil Shah

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## EDUCATION AND HONORS

Bachelor of Science in <b>Computer Science</b> , University of South Florida, Tampa, FL	05/2025
Dean's List of Scholars, University of South Florida	2021 – 2022 – 2023

## SKILLS

- **Programming languages:** Python, C, C++, SQL, Swift, HTML, CSS, R
- **Technologies/Framework:** Django, Flask, PyQt, SQLite, MySQL, Pandas, NumPy, Matplotlib, scikit-learn, TensorFlow, PyTorch, ReportLab, smtplib, Requests/HTTP libraries, Jinja2
- **Development Environments/Tools:** PyCharm, VS Code, Jupyter Notebook, Spyder, XCode, MS Visual Studio, Eclipse, RStudio, Git/GitHub for version control, Pytest, Figma, 25Live, BACS Software
- **Project Management:** JIRA, Trello, Agile methodologies, Asana
- **Additional Skills:** Data Structures, Algorithms, Object Oriented Design, Object Oriented Programming

## RELEVANT EXPERIENCE

<b>Student Development Assistant</b>	05/2023 – Present
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- Develop and maintain weekly schedules for various areas using **BACS software**, improving system **efficiency by 15%**
- Implement and configure device mappings and automated schedules, **reducing manual configuration time by 20%**
- Coordinate with other departments to schedule and **manage over 500** events annually via 25Live.
- Ensure smooth operation and troubleshooting of automated systems, **decreasing downtime by 30%**
- Manage and monitor building automation systems for **over 200 areas**, ensuring optimal performance and efficiency

<b>Software Development Intern</b>	05/2023 – 08/2023
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Galileo Group Inc, Tampa, FL

- Enhanced facial recognition technology, **resulting in a 90% boost** in accuracy and reliability
- Optimized image processing time from **1 minute to 5 seconds**, showcasing proficiency in developing efficient algorithms
- **Increased user engagement by 25%** and reduced **false positives by 30%**, displaying strong software engineering skills
- Improved the accuracy and reliability of a **skin damage detection app by 80%**, reflecting advanced problem-solving capabilities and computer science expertise

<b>Software Development and Cloud Computing Intern</b>	06/2022 – 08/2022
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United Phosphorus Limited, Mumbai, Maharashtra

- Designed and developed an end-user application and interface using an object-oriented programming language
- Resolved issues faced by the farmers by incorporating daily usage and advancement
- Collaborated with a team to meet project goals and elicited strong verbal and written communication skills
- Devised agile methodology to manage project progress and applied problem-solving skills

## KEY PROJECTS

<b>Historical Weather Data API</b>	06/2024 – 06/2024
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- Developed a RESTful API to provide historical weather data for various locations using Python and Flask
- Implemented data storage and retrieval using SQL and integrated third-party weather data APIs
- Designed efficient query handling and data caching mechanisms to improve API performance

<b>Stock Prediction app</b>	01/2024 – 01/2024
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- Developed a dynamic stock prediction application using Python and Tkinter
- Integrated real-time stock data from Yahoo Finance API for live updates
- Hosted the application on GitHub Pages, receiving positive feedback for design and functionality

<b>Personal Website Development</b>	10/2023 – 10/2023
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- Conducted extensive testing and debugging of the robot to ensure proper functionality
- Designed and coded the website's user interface Utilized HTML and CSS for structuring and styling the site
- Hosted the website on GitHub Pages for public access

## LEADERSHIP ACTIVITIES

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| • <b>Vice President</b> , Students of India Association, USF        | 05/2022 – 05/2023 |
| • <b>Treasurer</b> , Women in Computer Science and Engineering, USF | 05/2022 – 05/2023 |
| • <b>Secretary</b> , Bulls Against Bullying                         | 04/2022 – 04/2023 |
| • <b>Senator</b> , Student Government, USF                          | 10/2021 – 05/2022 |