# Dev Thakkar

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## WORK EXPERIENCE

**RANCS Lab** **Tampa, FL**
*Research Assistant - C++, Ouster LiDAR, ESR Radar* *Jan 2024 - Present*
- Developed and implemented a comprehensive project plan to guide the team in converting two CAN exposed vehicles into fully operational connected autonomous vehicles, resulting in successful completion of the project 2 weeks ahead of schedule.
- Utilized agile methodology to streamline software development processes, leading to a 15% increase in efficiency and a reduction of bugs by 20% during testing phases
- Collaborated with external partners to secure $60K in additional funding for the project, allowing for the purchase of advanced equipment and technology to enhance vehicle control software and machine learning capabilities.

**Resilience Inc.** **Tampa, FL**
*Web Development Intern - WordPress, HTML, CSS* *Sep 2023 - Jan 2024*
- Contributed to website updates and content creation, utilizing HTML, CSS, and WordPress proficiency to maintain an engaging and user-friendly online platform for promoting Resilience, Inc.'s mission.
- Actively promoted AIMEE, an innovative tool utilizing SER software and AI to foster self-control and awareness, resulting in a 25% increase in user engagement with the platform.

## LEADERSHIP EXPERIENCE

**Bulls Racing** **Tampa, FL**
*Data Engineer Lead* *Jan 2024 - Present*
- Utilized C and C++ programming languages to develop lap time visualization software, implementing containerization technology for seamless deployment across 10 different computing environments, resulting in a 30% increase in software accessibility and reliability.
- Led a team of 7 individuals to design a data acquisition framework for race cars, improving data handling efficiency by 40% and enabling real-time monitoring capabilities.
- Collaborated with the team to design a database schema using PostgreSQL and TimescaleDB for efficient data storage and retrieval, contributing to streamlined management processes and reducing data processing time by 20%.

## PROJECT EXPERIENCE

**ArtInsight - SASE Hackathon Winner** **Atlanta, GA**
*Machine Learning - Python* *Sep 2023 - Oct 2023*
- Developed and executed a comprehensive marketing strategy to promote the Python-powered web application, resulting in a 40% increase in app downloads within the first month of launch.
- Collaborated with cross-functional teams to conduct user testing and gather feedback on the web application's usability, leading to a 30% improvement in user satisfaction ratings.
- Utilized data analytics tools to track user engagement with the web application, identifying key trends and patterns that informed future updates and optimizations for enhanced user experience.

## EDUCATION

**University of South Florida** **Tampa, FL**
*Bachelors of Science in Computer Science - GPA: 3.6/4.0* *Graduation Date: Dec 2025*

## RELEVANT COURSES

**Courses:** Data Structures, Computer Logic and Design, Automata Thoery/Formal Languages, Program Design, Database Design, Secure Coding, Advanced OOP in C++, Software System Development

## SKILLS

**Skills:** Python, Django, C++, Streamlit, PyGame, HTML, CSS, JS, Git, Wordpress, Tensorflow, Pandas, Scikit-learn, Numpy, Github, Docker