



# WELCOME

Welcome to Anne's portfolio :)



## Anne Souza

### Aerospace engineer student

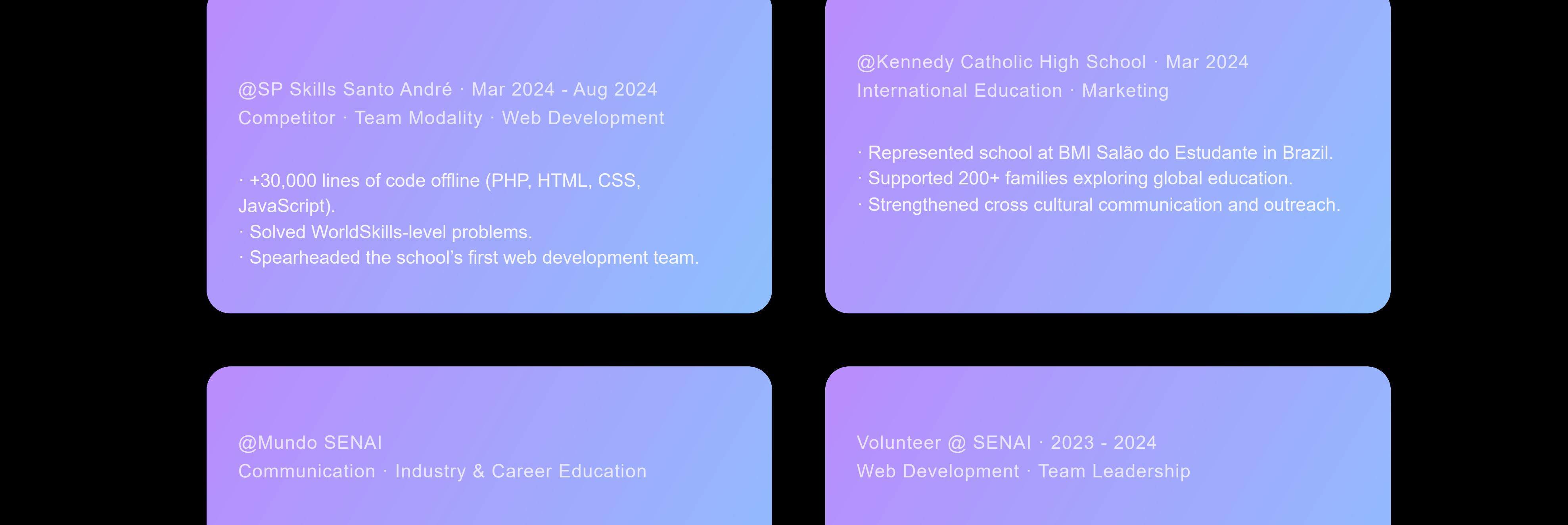
An aspiring aerospace engineer with interests in the research and development of space systems, propulsion, and applied astronomical science. With experience in technical projects, research, and collaborative work in competitive and scientific environments, exploring where engineering and science meet in practice.

\* The Ohio State University \* Aerospace Engineering \* 2030 \* 1st Year

\* SENAI A, Jacob Lafer \* Software analysis and development \* 2024 \* GPA 4.0

SKILLS SKILLS

## Skills



## Experience

@Microsoft Reactor SP-BR · March 2025  
AI Research - Computer Vision

- Conducted research and pre development for ONO project.
- Presented Relation by Deficiency and Relation by Absence concepts.

@IAG - University of São Paulo (USP)  
Astronomy - STEM Research

- Selected for the competitive Astrominas program hosted by IAG USP.
- Explored advanced astronomy topics and research methodologies.
- Developed a project focused on ethnoastronomy.
- Commitment of 9 hours per week over 4 weeks annually.

@SENAI A, Jacob Lafer · Jul 2024 - Dec 2024  
Final Graduation Project - TechEduc

- Led 5 sub teams (31 members) across frontend, backend, database, design, and documentation.
- Developed TechEduc platform connecting students and tutors.

@SENAI A, Jacob Lafer · 2024  
Accessibility - Computer Vision

- Led the development of a research proposal for the course final project.
- Built a facial recognition prototype using OpenCV and JavaScript.
- Conducted interviews with experts and users.

@SP Skills Santo André · Mar 2024 - Aug 2024  
Competitor - Team Modality - Web Development

- +30,000 lines of code offline (PHP, HTML, CSS, JavaScript).
- Solved WorldSkills-level problems.
- Spearheaded the school's first web development team.

@Kennedy Catholic High School · Mar 2024  
International Education - Marketing

- Represented school at BMI Salão do Estudante in Brazil.
- Supported 200+ families exploring global education.
- Strengthened cross cultural communication and outreach.

@Mundo SENAI  
Communication - Industry & Career Education

- Hosted live discussions during Mundo SENAI, a statewide industry and education event.
- Engaged with market analysts on career entry and professional training.
- Broadcast reached students from 168+ schools seeking career focused education.

Volunteer @ SENAI · 2023 - 2024  
Web Development - Team Leadership

- Led a software development team for school systems.
- Built kiosk and attendance web platforms.
- Development continued with other teams.

@SENAI A, Jacob Lafer · 2023 - 2024  
Systems Analysis and Development course

- Led 6 teams for four consecutive semesters.
- Delivered 13+ web projects with standout performance.

Autonomous system that converts used cooking oil into clean energy to power garden irrigation, validated through 3D modeling and awarded for innovation.

- Sustainability - Engineering
- Full Stack - EdTech

## Projects

Voice assistant with computer vision designed to support visually impaired users through real time environment interpretation.  
Presented at Microsoft Reactor IA Bootcamp - Sao Paulo Brazil

AI - Computer Vision

Handmade products ecommerce prototype

React Native - Mobile

Kiosk and attendance web systems

Web Development

Autonomous system that converts used cooking oil into clean energy to power garden irrigation, validated through 3D modeling and awarded for innovation.

Sustainability - Engineering

Web and mobile platform connecting students with private tutors and educational institutions, focused on personalized learning and accessibility.

Full Stack - EdTech

## Languages

English

Portuguese (Native)

Spanish (B2)

Korean (A2)

THANK YOU FOR YOUR TIME.  
FEEL FREE TO REACH OUT.

## Anne Souza

Aerospace Engineering student focused on research, technology and interdisciplinary problem solving.

## Contact

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## Links

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