

RUTVEEK INGAWALE



ingawale15rutveek@gmail.com | [LinkedIn: https://www.linkedin.com/in/rutveek-ingawale](https://www.linkedin.com/in/rutveek-ingawale)
[+1 \(386\) 331-6972](https://rutveek15.netlify.app/) | [Portfolio: https://rutveek15.netlify.app/](https://rutveek15.netlify.app/)

EDUCATION

Embry Riddle Aeronautical University

Bachelors of Science in Aerospace Engineering

Minors: CAD manufacturing, Applied mathematics

Daytona Beach, Florida

GPA: 4.0/4.0

WORK EXPERIENCE

Novineer, Inc | Engineering Design Intern

Jun 2024 – Present

- Designed and optimized mechanical parts using CATIA and SOLIDWORKS, ensuring efficient performance through stress analysis and optimization techniques
- Created detailed technical documentation and supported product testing by conducting virtual simulations and analyzing mechanical integrity under various load conditions

ERAU Engineering Fundamentals | Teaching Assistant for Graphical Designing (CATIA)

Jan 2024 – Present

- Guided students through complex 3D modeling assignments in CATIA, promoting the connection between theoretical concepts and practical applications
- Assisted the professor in grading 103 students, offering detailed feedback to enhance student learning and improve their design accuracy
- Organized and led review sessions for 4 different sections, ensuring students were well-prepared for assessments and project submissions

ERAU Academic Advancement Center | Engineering Tutor (CATIA & MATLAB) | Tutor of the month

Jan 2024 – Present

- Provided one-on-one and group tutoring sessions for students struggling with CATIA and MATLAB, ensuring they grasp key engineering principles
- Helped students improve their technical drafting and programming skills by offering practical examples and real-world applications of course content
- Received Tutor of the Month recognition for outstanding dedication to student achievement and support

AIAA Design, Build, and Fly | Design Engineer

Aug 2023 – Apr 2024

- Designed and built payload structures for unmanned aircraft systems (UAS), improving weight distribution and stability through innovative interlocking mechanisms
- Analyzed structural performance under flight conditions, adjusting design parameters to meet competition requirements for weight and durability
- Actively participated in design reviews, presenting design concepts and modifications to team members and faculty advisors

INVOLVEMENTS

International Student Services, ERAU: International Student Ambassador

Jan 2024 – Present

Center of Career & Professional Development, ERAU: Student Ambassador

Jan 2024 – Present

Embry-Riddle Sikh Student Association, ERAU: Public-Relations Officer

Jan 2024 – Present

International Student Organization, ERAU: Public-Relations Officer

Jan 2024 – Present

Design, Build, Fly AIAA club, ERAU: Design and manufacturing engineer

Aug 2023 – Present

SKILLS

Tools and Programming: CATIA-V5 Design, MATLAB, AutoCAD, SOLIDWORKS, Microsoft Office Suite, Graphic Designing, Editing

Soft Skills: Communication, Teaching, Leadership, Creative Thinking, Management, Adaptability, Flexibility, Organization

CERTIFICATIONS

- Dassault Systèmes:** CATIA V5 SPECIALIST - Mechanical Designer, CATIA V5 Part, CATIA V5 Assembly
- College Reading & Learning Association:** Certified Tutor, Tutor of the Month (April)



AWARDS

- Scholarships:** ERAU International Presidential Scholarship, and CBSE national merit scholarship
- LinkedIn Skill Badges:** AutoCAD, Microsoft Excel, and Python Programming
- Math Awards:** CBSE National Merit Scholar, SOF Zonal Excellence Award, and Unified council gold medalist