

# Abhigyaan Deep

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Seeking full-time engineering internships/co-ops starting Summer 2026.

## Education

Iowa State University Bachelor of Engineering

Graduating May 2027

- Major: Aerospace Engineering
- Minor: Cyber-Physical Systems

Ames, Iowa

GPA: 3.86

## Experience

NASA Psyche Intern

Sep 2025 - April 2026

- Worked with mission scientists and engineers to translate technical topics into public content.
- Published original science info-graphics and creative works for NASA's Psyche mission.

OpenUAS Research | Laboratory for Temporal Logic

Aug 2025 - May 2026

- Designed a low-cost, **3D printable** flight testbed for researchers and educators.
- Deployed the **NASA R2U2** runtime verification for flight performance and post-mission.

Supplemental Instructor for Mechanics of Materials

Jan 2026 - May 2026

- Tutored review sessions and exam preps for students taking Mechanics of Materials.

## Projects

Zephron

Aug 2025 - Present

Stealth Drone R&D Team Lead and Engineer

- Lead a team of 4 in R&D for a **3D printed** dome optimized using the Coandă effect.
- Designed custom hardware with **MATEK FC** integrated **ROS** for closed-loop PID stabilization.

The Jet Engine Team (The J.E.T.)

Oct 2024 - May 2025

Combustion Chamber Design and Manufacturing Lead

- Manufactured a combustion chamber with **double-rolled stainless steel** to withstand 600 °C.
- Designed in **SolidWorks**, analyzed combustion in **Ansys**, and test integrated with mock **3D-prints**.

BlitzKit.app

April 2022 - Present

Encyclopedia and armor-performance sandbox for tanks from WWI - Cold War.

## Skills

**Software:** SolidWorks, OnShape, Ansys, Git/GitHub, ArduPilot, VSCode

**Languages:** C++, C#, Rust, Python, MATLAB, Java, JavaScript, TypeScript

**Other:** 3D Printing, Systems Engineering, Project Management, Technical Writing & Communication, Soldering, MATEK FC, FEA, Control Systems Design, Aerodynamics