

# Teja Akella

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## Summary:

- Computer engineering student with 2+ years of experience in cybersecurity, information security, and IT operations. Skilled in implementing information security infrastructure, balancing security initiatives, and proficient in software development and web application development.

## Education:

### **Purdue University - West Lafayette, IN**

**August 2023 - Present**

- Bachelor of Science in Computer Engineering - Expected Graduation: May 2027
- Courses: Transforming Ideas To Innovation, Modern Mechanics, Multivariate Calculus, Electrical Engineering Fundamentals I, Ordinary Differential Equations, C Programming, Electric And Magnetic Interactions

### **New Albany High School - New Albany, OH**

**August 2019 - May 2023**

## Work Experience:

- **Air Force Research Laboratory Research Scholar - NASA** **June 2023 - July 2023**  
- Assisted NASA and the Air Force in creating a simulation modeling the moon's environment for the Artemis 3 missions in 2025 and 2028. This simulation aids in preparing and training astronauts for the lunar south pole.
- **Air Force Research Laboratory Research Scholar - Calamityville** **June 2022 - July 2022**  
- Created a mixed-reality multiplayer training simulation to help with Rocket Propelled Grenade (RPG) training, decreasing training costs by 85 percent.
- **Accenture Student Intern** **January 2022 - May 2022**  
- Worked with engineers to create an internal application that was 40% faster allowing for the management of surveys and data collection from clients.

## Skills:

- **Certifications:** CompTIA Network+, CompTIA Security+, and GFACT
- **Cybersecurity:** Network cabling, Cisco switch and router configuration, DNS Structure and Server Configuration, Troubleshooting tools, Networking Theory, Network Security methods, and Network Protocols
- **Computer Programming:** Java and Object-Oriented Concepts, MATLAB, Python, WebDev, Git, Raspberry PI, Arduino, JavaScript, Jade, HTML, and CSS
- **Game Design:** Unity, Unreal Engine 4, Distributed Interactive Simulation(DIS) Protocol (Air Force Networking Protocol), and SPICE (Caltech and NASA JPL database and software)
- **Engineering Skills:** 3D CAD, experience with motors, encoders, linear actuators, and pneumatics, experience with sensors, basic shop tools, additive manufacturing, fabrication, CNC machining, rapid prototyping

## Extra-Curricular and Volunteer Experiences:

### **FIRST Robotics**

**August 2015 - May 2023**

- FRC - Programming and Mechanical subteam lead - Outstanding Freshman Award Recipient
- FTC - 2016, 2017 Robot Driver, programming lead, and mechanical lead
- FLL - Team Captain - Ohio State Best Robot Design Award Recipient
  - Worked with the Ohio Legislature regarding a solution for dissolving styrofoam, a non-biodegradable hazard

### **SkillsUSA Technical Competition**

**May 2022**

- Placed 3rd at the Ohio State Competition in Cybersecurity and 10th for IT services

### **National Technical Honors Society**

**May 2022 - Present**

- Conducted cybersecurity projects and practiced real-world desktop analyst scenarios.

### **National Honors Society/National Honors Society Tutoring Organization**

**August 2021 - May 2023**

- Led multiple community projects including park cleaning, fundraisers, and organizing the tutoring organization

### **Center of Science and Industry (COSI) Floor Faculty Volunteer**

**June 2018 - March 2020**

- 50+ hours of volunteering service by leading STEM demonstrations, guiding guests through activities, assisting with workshops, and performing live shows