

# Ananga Tripathee

(660) 730-9588 | [ec31788@truman.edu](mailto:ec31788@truman.edu) | [anangatripathee.com.np](http://anangatripathee.com.np) | [linkedin.com/in/anangatripathee/](https://linkedin.com/in/anangatripathee/)

## EDUCATION

Truman State University

GPA: 3.81, May 2028

### BS in Computer Science, Minor in Economics & Data Science

- **Relevant Courses:** Object Oriented Programming, Computer Systems Architecture, Foundations of Computer Science I & II, Statistics
- **Honors and Awards:** President's Honors List, Provost List, President's Honorary Scholarship

## TECHNICAL SKILLS

- **Languages:** C#, Java, JavaScript, Python, SQL
- **Web & Frameworks:** React.js, Next.js, Flask, WordPress

## PROFESSIONAL EXPERIENCES

Information Technology Services, Truman State University

Summer 2025 - Present

### IT Technician Assistant

- Troubleshoot and resolve hardware, software, and network issues, documenting each case and analyzing recurring incidents to recommend fixes, reducing downtime and improving system reliability
- Installed, configured, and maintained computers, AV systems, and classroom technology; preventive maintenance to ensure optimal performance
- Managed IT inventory and provided data-driven recommendations to enhance asset accuracy, resource utilization, and overall productivity

Office of Admission, Truman State University

Jan 2025 - Present

### International Ambassador

- Served as an orientation leader for incoming international students
- Managed check-in and led activities to ensure a smooth transition to campus life
- Acted as a resource by answering questions, connecting students to campus services, and fostering an inclusive, supportive community

## RESEARCH AND PROJECTS

### Enhancing EfficientNet with Quaternion Convolutions – Research Project

- Enhanced EfficientNet-B0 with quaternion convolutions to boost image classification accuracy by 2.45% (to 98.78%) on a 10K+ image dataset
- Implemented Quaternion Residual Blocks and optimized training with Mixup, label smoothing, and cosine warm-up using PyTorch on GPU/MPS hardware
- Presented research at University's GLASR Symposium, showcasing the use of quaternion operations for lightweight deep learning models

### Food Waste Reduction System - Boeing x TruHacks 2025

- Built a full-stack app (React, TypeScript, PostgreSQL) to track meals and gamify food waste reduction
- Integrated AI (Google Gemini & Vision APIs) to analyze food consumption and award points
- Developed a responsive dashboard and rewards system for seamless user experience and meal tracking

## ACTIVITIES AND PROFESSIONAL DEVELOPEMENT

### Google Developer Group

- Organize and participate in professional development activities
- Networking with peers in the Computer Science field
- Practicing interview questions for tech industry jobs and careers

### Community of College Entrepreneures

- Pitched startup ideas and refined business strategies through workshops.
- Collaborated with peers on cross-major entrepreneurial projects.
- Engaged with alumni and industry mentors to secure guidance and resources.