

# Pranaya Khadgi Shahi

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Education	Truman State University Bachelor of Science in Computer Science   GPA: 3.65 <b>Blue Key / John R. Kirk Foundation Scholarship</b> — \$1,196 (2025–2026) <b>Relevant coursework:</b> Foundations of CS I & II (Java); Calculus I–III; Foundations of Mathematics; Object-Oriented Programming (C#) — in progress; Ordinary Differential Equations (Fall 2025).	Expected Graduation: Dec, 2027
Projects	<b>Truman in the Virtual (React, Three.js, Node.js, PostgreSQL)</b> Research Project with Dr. Kafi Rahman <ul style="list-style-type: none"><li>Developing <b>immersive 3D virtual campus tour</b> for prospective students using <b>React 18</b> and <b>Three.js</b>; architected <b>browser-based WebGL rendering system</b> with interactive skybox navigation, achieving <b>cross-platform compatibility</b> across 5+ device types</li><li>Collaborated with <b>2-person development team</b> to implement <b>responsive frontend</b> with TailwindCSS and <b>Express.js backend</b>; structured modular architecture with separated Frontend/Backend/Database layers, reducing deployment complexity by <b>40%</b></li></ul> <b>Project Memory Garden (Node.js, Express, MongoDB, OpenAI API, JavaScript)</b> HackMidwest 2025   Competed among 325+ participants in 55+ teams <ul style="list-style-type: none"><li>Built a <b>full-stack AI-powered journaling app</b> with emotional coaching; integrated <b>OpenAI API</b> for intelligent responses and implemented <b>JWT authentication</b> with <b>MongoDB</b> backend</li><li>Developed <b>RESTful APIs</b> using <b>Node.js/Express</b>; created responsive frontend with mood tracking, session summarization, and plant-themed visual interface</li></ul> <b>Project WasteNot (React, TypeScript, Node.js, PostgreSQL)</b> Boeing x TruHacks 2025 <ul style="list-style-type: none"><li>Led backend and database design for a 4-person Agile team; implemented <b>REST APIs</b> and <b>PostgreSQL schema</b> to manage food listings and user gamification state.</li><li>Integrated recommendation hooks and demoed to <b>50+</b> attendees at <b>Boeing x TruHacks 2025</b>.</li></ul> <b>Carbon Footprint Calculator (Python, Matplotlib, Google Maps Geocoding API)</b> 1st Place - Beginners, TruHacks 2024 <ul style="list-style-type: none"><li>Implemented geolocation-based carbon calculation engine (<b>Python</b>) and visualized results with <b>Matplotlib</b>; integrated <b>Google Maps Geocoding API</b> for location input.</li><li>Won <b>1st Place (Beginners)</b> at <b>TruHacks 2024</b>; responsible for core logic and prototype UX.</li></ul>	Aug 2025 - Present October 2025 Mar 2025 Mar 2024
Technical Skills	<b>Programming Languages</b> Java, Python, C#, JavaScript, TypeScript, C++, HTML/CSS, SQL, R  <b>Data Skills</b> MongoDB, PostgreSQL, Redis, SQL Server, Database Migration, Schema Design	<b>Frameworks &amp; Tools</b> Node.js, Express, React, Three.js, <u>ASP.NET</u> MVC, TailwindCSS, Git, VS Code, IntelliJ IDEA, PyCharm, Pandas, Matplotlib, Mongoose, Redux, Vercel  <b>Machine Learning &amp; AI</b> OpenAI API (GPT-4), Prompt Engineering, AI Model Integration, Natural Language Processing (NLP), Conversational AI, AI-Powered Applications, Machine Learning Concepts
Certifications	<b>Google Cloud Digital Leader (Foundational Training Completed)</b> Google Cloud 🔗 <a href="https://cloud.google.com/learn/certification">https://cloud.google.com/learn/certification</a> <ul style="list-style-type: none"><li>Completed official Google Cloud foundational modules covering compute, storage, networking, and AI/ML basics.</li><li>Currently preparing for the Associate Cloud Engineer certification as the next milestone.</li></ul>	Spring 2025
Experience	<b>Treasurer, Google Developer Student Club</b> <ul style="list-style-type: none"><li>Managed ~\$2,000 event budget and tracked expenses for hackathons and workshops; supported planning for larger \$10k+ activities.</li><li>Coordinated vendor and industry partnerships to secure resources for student projects.</li></ul> <b>Academic Peer Tutor</b> <ul style="list-style-type: none"><li>Tutored 12 students in Java and OOP concepts; led weekly office hours and exam-prep sessions.</li><li>Created practice problems and guided debugging walkthroughs to improve assignment completion and comprehension.</li></ul>	Jan 2025 - Present Aug 2024 - May 2025