

Utsav Shrestha

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EDUCATION

Jacksonville State University, *Bachelor of Science*

Jacksonville, AL

Major: Computer Science; Minor: Mathematics

May 2027

GPA: 3.95; International House Scholarship (Full Tuition), Gamecock Achievement Merit Scholarship (\$3000)

Relevant Coursework: Software Engineering I, AI, Probability and Statistics, Data Structure & Algorithm

Involvement: Member of IEEE, Member of Math Club and International Student Organization

RESEARCH AND ACADEMIC PROJECTS

Dragon Therapy Project

Sep 2025

- Designed and developed a **scalable web application** that gamifies rehabilitation using motion-based challenges
- Built a **data pipeline** to track user accuracy and reaction time, visualizing analytics with **Chart.js**
- Engineered an optimized front end with **low-latency animations** for a seamless user experience

OOTD Application

Oct 2024

- Developed a full-stack web application using **React** and **Node.js** to recommend personalized outfits via AI and image analysis
- Integrated **NLX conversational AI APIs** to deliver an interactive chatbot for user assistance
- Optimized system performance for **fast image processing** and ensured a responsive, mobile-friendly UI

EXPERIENCE

Jacksonville State University Recreation and Fitness Center

Jacksonville, AL

Fitness Floor Monitor

May 2025 – Aug 2025

- Supervised the fitness floor, ensuring a safe and welcoming environment for members and guests.
- Responded promptly to emergencies, applying critical thinking and communication skills in high-pressure situations.

Skilltootr

Remote

Digital Marketing Officer

Feb 2023 – Jul 2023

- Designed and implemented 24+ targeted digital marketing campaigns, increasing engagement by 80%.
- Analyzed campaign metrics to deliver actionable insights, optimizing future strategies.
- Collaborated with cross-functional teams to create CRM-based content aligned with user demographic

LEADERSHIP AND OTHER ACTIVITIES

CodePath, *Peer Mentor - Remote*

Aug 2025 - Present

- Mentored a cohort of students in **cybersecurity** and **Web 101**, troubleshooting code and revisiting key concepts.
- Facilitated an interactive learning environment, fostering peer-to-peer collaboration.

Jacksonville State University, *Resident Assistant* – Jacksonville, AL

Jul 2025 – Present

- Oversee 50+ residents, providing emergency support through critical thinking and problem-solving skills
- Provide 24/7 on-call assistance during emergencies, ensuring a safe and supportive residential environment
- Address roommate and housing issues, applying leadership skills to resolve conflicts and ensure effective solutions

Jax Sate Cricket Club, *Vice President* – Jacksonville, AL

Aug 2024 – May 2025

- Organized team practices and tournaments, enhancing participation and team cohesion.
- Managed club budgets and sponsorships, ensuring sustainable operations.

Nepalese Student Organization, *VP of Event and Activities* – Jacksonville, AL

Aug 2023 – May 2025

- Coordinated multicultural events with 100+ attendees, promoting cultural exchange and community building.
- Established mentorship programs to assist new Nepalese students in their transition to university life.

SKILLS AND INTERESTS

Technical: Python, C++, Java, SQL, Excel, PowerPoint, Word, Outlook, Technical Writing

Languages: English (Fluent), Hindi (Fluent), Nepali (Native)

Personal Interests: Soccer, Dance, Cricket, Mathematics, Filmmaking

