

Raunak Upreti

(682)-239-4414 | raunakupreti2002@gmail.com | [LinkedIn](#) | [GitHub](#) | [Website](#)

Education

University of North Texas

Bachelor of Science in Computer Science

May 2025

Denton, TX

Relevant Coursework: Software Engineering, Data Structures and Algorithms, Computer Networks, Operating Systems

Work Experience

Ergool

Mar 2024 – May 2024

Software Engineering Intern

New York, NY

- Conducted system integration and user acceptance testing (UAT), ensuring high-quality software performance.
- Collaborated with cross-functional teams to analyze product testing requirements and develop test strategies.
- Performed root-cause analysis, implementing corrective actions that improved mobile application stability.
- Developed and executed test plans for new and existing products, enhancing software reliability.
- Analyzed test results and identified areas for improvement, contributing to continuous quality enhancements.

University of North Texas

May 2024 – Present

Information Technology Support Assistant

Denton, TX

- Provided technical support for faculty, and staff, troubleshooting hardware, software, and network issues across Windows, macOS, and mobile devices.
- Resolved technical support tickets, weekly, ensuring efficient problem resolution and minimizing downtime.
- Assisted in IT infrastructure projects, optimizing system performance and implementing security updates.
- Delivered user training sessions on software application and IT best practices, improving staff proficiency.
- Stayed updated on emerging technology trends to enhance IT support services.

Projects

Shop Simplify | React, NodeJS, Express, Firebase

May 2024

- Developed a secure peer-to-peer marketplace using React, Node.js, and Express.
- Implemented Firebase Firestore, Firebase Authentication, and Firebase Storage for real-time data, user authentication, and media handling.
- Implemented secure payments, in-app messaging, and scam reporting for enhanced platform security.

Search and Rescue Robot | Creo, 3D Printing, Laser Cutting, CNC, Arduino

Sep 2021 – Dec 2021

- Led a team of 5 students in designing, building, and testing a search and rescue robot prototype, successfully navigating an obstacle course within the 3-month timeframe
- Designed a new motor mount bracket in Creo, resulting in a 53% reduction in the belt drive system's weight
- Created 2D drawings to guide manufacturers on dimensions and tolerances necessary for assembly
- Selected a new chassis material by comparing impact strength to density ratios, enhancing chassis impact strength by 4000% while maintaining constant overall robot weight
- Managed expenses by modifying existing parts and maintaining a BOM, achieving 48% usage of the overall budget

Skills

Languages: Python, C, C++, TypeScript, JavaScript, HTML, CSS, SQL, MongoDB

Frameworks: React, Angular, Next.js, Node.js, Express.js, Flask, Tailwind CSS, Bootstrap

Developer Tools: Git, npm, Jira, AWS, Docker, Google Cloud Platform, Firebase

Libraries: TensorFlow, scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, BeautifulSoup4

Certificate: AWS Solutions Architect – Associate, AWS Cloud Practitioner – Associate