

MELODY NNADI

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WORK EXPERIENCE

SOFTWARE DEVELOPER INTERN

February 2025 – present

Reality AI Lab

- Built and refined AI-powered education and career tools using ReactJS, Node.js, and Python.
- Deploying applications on Google Cloud Run and managing Firestore, Firebase Realtime DB, and Redis for scalable AI workflows.
- Conducting comprehensive testing, resolving bugs, and monitoring performance using LogRocket and Log Explorer.
- Working with cross-functional teams on AI solutions, maintained source code, and contributed to CI/CD pipelines using GitHub Actions.

RESIDENT ASSISTANT

June 2023 – July 2024

Texas A&M University Texarkana

- Built personal relationships with residents and fostered a positive community by resolving conflicts and facilitating group dynamics.
- Ensured the safety and security of the residence hall by conducting rounds and enforcing university policies.
- Planned and executed community events to promote engagement and support residents' academic and personal growth.

IT SERVICE DESK ASSISTANT

January 2022 – July 2022

Redeemed Christian Church of God

- Provided technical support to church staff and members, troubleshooting hardware, software, and network issues.
- Managed and maintained IT systems, ensuring smooth operation during services and events.
- Assisted in setting up multimedia equipment for live streaming and presentations.

EDUCATION

University of Texas at Tyler

Expected Graduation – May 2026

Bachelor of Science – Computer Science

GPA: 3.88

SKILLS

- Programming languages: Python, Java, JavaScript, C++
- Data Analysis: MySQL, MS SQL, Microsoft Excel, Tableau
- Frontend: HTML/CSS, JavaScript, React
- Prototyping: Figma

PROJECTS

LIVE WEATHER FORECAST

November 2024

- I identified a need for a user-friendly tool to provide users with accurate global and real-time weather information.
- Developed a program with a graphical user interface (GUI) to retrieve and display real-time weather data.
- Integrated the application with the AccuWeather API to fetch live weather updates and designed an intuitive GUI where users input a city name to view the day, time, weather status, and temperature.
- Delivered an application that simplified access to weather information, enhancing user experience and accessibility.

PERSONAL PORTFOLIO WEBSITE | [Github](#)

February 2025

- Developed a professional and creative portfolio website using HTML, CSS, and JavaScript to showcase academic achievements, work experience, and personal projects.
- Designed an interactive and responsive user interface, ensuring seamless navigation and engagement across all devices.
- Highlighted technical skills and projects as a Computer Science student and aspiring Software Engineer through a well-structured and visually appealing layout.

TO-DO LIST GRAPHICAL USER INTERFACE | [Github](#)

November 2024

- Developed a user-friendly task management application using Python and CustomTkinter, enabling users to efficiently add and remove daily tasks.
- Designed a minimalist GUI with intuitive buttons and a dynamic task list to enhance usability and productivity.
- Implemented interactive features for seamless task management, ensuring a smooth and responsive user experience.

3D INTERACTIVE WEB VISUALIZATION TOOL

January 2025

- Addressed the demand for real-time, collaborative 3D visualization tools for interactive presentations and design projects
- Developed a web-based tool capable of rendering, animating, and manipulating complex 3D objects in real time.
- Utilized WebGL and GLSL for smooth real-time 3D rendering and animations, Angular for a dynamic user interface, and TypeScript for maintainable development. Integrated Node.js to enable multi-user collaboration features.
- Delivered an advanced visualization platform that supported seamless real-time collaboration and enhanced user productivity in design and presentation workflows.

RELEVANT COURSES

C++ Programming

Computer Security

Database & Systems Design

Python Programming

Systems Analysis & Design

Web & UI Design