

PRANITHA GADDAM

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EDUCATION

University of North Texas

Bachelor of Science (B.S.) in Computer Science

Denton, TX

Aug 2021 - May 2025

- Minor in Mathematics
- **Cumulative GPA:** 3.925
- President's List (Fall 2021, Fall 2022, Spring 2023), Dean's List (Spring 2022, Fall 2023)
- **Relevant Coursework:** Foundations of Computing, Data Structures and Algorithms, Assembly Language and Computer Organization, Digital Logic Design, Principles of Systems Programming, Algorithms, Introduction to AI, Software Engineering

SKILLS

Languages: C, C++, HTML5, CSS3, JavaScript, Python, Java, SQL, Bash

Tools/ Software: Git, Postman, PuTTY, Linux, GNU Debugger, MySQL, Figma, Visual Studio, IntelliJ

Frameworks: Node.js, Express.js, React, Bootstrap

PROJECTS

Restaurant Website

- Developed a responsive website for a restaurant based in India with an interactive food menu display and allowed users to leave reviews and make reservations online.
- Used HTML, CSS, and JavaScript to implement the front-end functionality to create an appealing, user-friendly interface.
- Enhanced user experience through dynamic and interactive React components.
- Implemented back-end functionality with Java, utilizing Spring Data JPA and RESTful APIs for efficient data handling, and used MySQL to manage the database.

City Simulation Model

- Led a team of 5 members to develop a city simulator using C++ that can predict population growth, resource production, power line connectivity, and simulate pollution spread through wind.
- Implemented appropriate data structures to manage data effectively and integrated regex matches for input validation.
- Used the GNU Debugger for debugging and implemented various testing techniques to resolve bugs and elevate the overall code quality.
- Utilized GitLab for efficient version control and created detailed documentation of project design, specifications, and results.

Automated File Downloader

- Developed a Python script utilizing the Google Cloud Platform to automate file downloads from a Google Drive folder to a local directory.
- Integrated the access tokens obtained from OAuth2 with the Google Drive API to access the user drive folder.
- Handled errors efficiently and implemented comparisons between the drive and local storage contents to synchronize and minimize redundancy.
- Automated file downloads using Windows Task Scheduler to run the script at regular intervals for every 24 hours.