Preet Talati

Developer   https://github.com/Ptalat2

EDUCATION

University of Illinois at Chicago – College of Engineering

Bachelor of Science in Computer Science
- Dean's Honors List

TECHNICAL SKILLS

Programming Languages: Java, C++, Python, C, MATLAB, JavaScript, HTML, CSS, SQL, MongoDB, Kotlin, x86-64, RISC-V, Arduino, Node JS, OCAML
Developer Tools: VS Code, ReactJS, Git, Docker, IntelliJ Idea, Maven, JQUERY, Vim, C++ Builder
Other: SolidWorks, NodeJS, Bootstrap, Material.io, Excel

TOP PROJECTS

MY Show | JavaScript | HTML | CSS
- Utilized the YouTube API to retrieve and display user-searched videos.
- Used JavaScript, Html, and CSS to build a Web App, including features such as a search bar, audio search, and the ability to view the top five videos found based on your search.
- Many components were developed utilizing the Google API, like the voice feature.

Concurrent HTTP Server | C
- Developed a concurrent HTTP server in C, implementing two threading models: "Thread per connection" and "Thread pool."
- The server allows multiple clients to access URLs such as /ping, /echo, read/write operations, and file downloads simultaneously, ensuring parallel progress without interfering with each other.
- Ensured safety and atomicity of all requests preventing scenarios of bad reads or writes.

Networked 3 Card Poker | Java | Junit Testing
- Designed and implemented a networked version of the popular casino game 3 Card Poker.
- This implementation allowed up to four players to log on to the server and play at once; where each player is a separate client, and the game is run by a server.
- This implementation has multiple playing game screens which allows a fun user experience.
- Conducted thorough Junit testing to guarantee the efficiency and effectiveness of the server and the clients.

EXPERIENCE

Teaching Assistant   January 2023- Current
Computer Science Department
- Conducted Lab Sessions and oversaw projects using C, and multiple assembly languages.
- Held Office hours to provide one-one assistance to students.
- Aided the Professor during class sessions and helped students with course material.
- Regularly graded assignments and exam papers