

Preet Talati

Full Stack Developer

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EDUCATION

University of Illinois at Chicago – College of Engineering

GPA: 3.92/4.0

Bachelor of Science in Computer Science

- Dean's Honors List

TECHNICAL SKILLS

Programming Languages: Java, C++, Python, C, MATLAB, JavaScript, PHP, HTML, CSS, SQL, Kotlin, x86-64, RISC-V, F#, OCAML, Dart

Developer Tools: VS Code, ReactJS, NodeJS, Express, Node JS, Git, Docker, Maven, JQUERY, Vim, C++ Builder, Flutter

EXPERIENCE

Teaching Assistant

January 2023- Current

Computer Science Department

- Guided students in implementing data structures and optimizing algorithms for efficient memory management in C and assembly languages.
- Provided personalized assistance during office hours on topics including machine language, memory hierarchy, and processor architecture.
- Evaluated assignments and exams, emphasizing an understanding of data representation, heap manipulation, and memory security techniques.

TOP PROJECTS

STAY-SAFE | GCP | JavaScript | HTML | CSS

- Implemented a real-time reporting mobile application using JavaScript and Google APIs, enabling swift incident reporting and response, including looking up distinct reports in any area with notification.
- Designed a responsive user-friendly interface, enhancing accessibility and usability for a diverse user base.
- Overcame technical challenges to ensure cross-platform compatibility, including addressing iOS compatibility issues, and demonstrating adaptability and problem-solving skills crucial for successful project delivery.

Concurrent HTTP Server | C

- Created a concurrent HTTP server in C, supporting "Thread per connection" and "Thread pool" threading models.
- Enabled simultaneous access to multiple URLs including /ping, /echo, and file downloads for parallel client interactions.
- Ensured request safety and atomicity to prevent data corruption and maintain integrity.

Networked 3 Card Poker | Java | Junit Testing

- Developed a networked rendition of 3 Card Poker in Java
- Facilitated multiplayer functionality for up to four simultaneous players.
- Designed multiple game screens to enhance user engagement.

CLOUD SERVICES

- Actively pursuing AWS Cloud Practitioner essentials, encompassing cloud concepts
- Independently studying Google Cloud Platform (GCP) and AWS to broaden cloud computing knowledge and skills.