

PARTH TAWDE

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EDUCATION

Master of Science (Computer Science)

University of Illinois at Chicago

May 2024

GPA: 3.75/4.00

Bachelor of Science (Computer Science)

University of Illinois at Chicago

May 2023

GPA: 3.63/4.00

PROJECTS

Language Omegle

August - December 2023

Technologies: **React, Express, Node.js, Twilio, Google Speech To Text API, Google Cloud Translate API, Socket.IO**

- Developed a video calling app using React and Express, integrating Twilio API for seamless communication.
- Implemented real-time multilingual translation leveraging Google Speech To Text and Google Cloud Translate APIs.
- Optimized back-end scalability and management using JavaScript, tailored for efficient server handling.
- Utilized Socket.IO for efficient front-end to back-end connectivity, improving data flow and responsiveness.

Movie Review Application

June 2023

Technologies: **Java, MongoDB, Spring Boot, React, IntelliJ, RESTful API, Visual Studio Code**

- Developed and deployed a CRUD movie review application for a full-stack project.
- Utilized Ngrok to deploy the application, ensuring a seamless back-end and front-end codebases integration with RESTful API, addressing CORS with Axios.
- Performed rigorous testing to ensure the reliability and functionality of the application.

311 Services Requests - Visualizations and Visual Analytics

August - December 2023

Technologies: **Pandas, Vega-Lite, JavaScript, Python, HTML, CSS, Jupyter Notebook, Git, GitHub**

- Architected and deployed a comprehensive web-based data visualization system using JavaScript and Vega-Lite.
- Innovatively integrated multiple interactive visualization techniques, including linked views and spatial data analysis, to enhance data interpretation.

Connect 4

January - February 2021

Technologies: **Java/JavaFX, Eclipse, Maven, JUnit 5**

- Sketched and integrated complex game logic and user interface, ensuring a dynamic and immersive gaming environment.

INTERNSHIP EXPERIENCE

QA-Mentor Software Testing Expert Company, Mumbai, India

May - August 2021

Software Testing Intern

- Conducted comprehensive software testing on the CertCentral platform as an intern, identifying and resolving critical bugs to ensure optimal functionality and user experience.
- Revamped User Interface template by implementing a user-centric design approach, resulting in a 30% improvement in user navigation efficiency and a 25% increase in user engagement metrics.
- Tested flaws that would be passed along in the pipeline to correct/improve the software.

RELEVANT WORK EXPERIENCE

Learning Technology Solutions, UIC, Chicago, IL

Present

Graduate Teaching Assistant

- Designed and deployed interactive digital content using Blackboard, enhancing student engagement and understanding.
- Collaborated with over ten departments to integrate multimedia resources, significantly improving instructional quality.

Computer Science Department, UIC, Chicago, IL

September 2021 - May 2023

Undergraduate Teaching Assistant

- Facilitated almost 40 lab sessions focusing on algorithmic thinking and problem-solving in object-oriented programming, contributing to a steady growth in student performance in coding assignments.

New Students And Family Programs, UIC, Chicago, IL

May 2022 - January 2023

Orientation Leader

- Enhanced communication, public speaking, and leadership skills by actively participating in new student orientation programs and engaging with over 300 students.
- Cultivated vital qualities such as exceptional time management and a robust work ethic through my tenure.

SKILLS

Languages: React, Python, Java/JavaFX, Javascript, SQL, Spring Boot, HTML, FXML, F#, CSS, C/C++, C#

Technologies: GitHub, Linux, Node.js, Next.js, Express, Render, Jupyter Notebook, Android Studio, Docker, Flutter, Google Testing, JUnit5 Testing, Maven, Git, Microsoft Tools, Adobe, Unity, Vuforia, Microsoft Office Suite, Office 365

Coursework: Secure Web Application Development, Kubernetes, User Interface Design and Programming, Object Oriented Programming, Data Structures, Mobile Application Development, Systems Programming(Kernels, Linkers)