

# THARUN DERANGULA

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## EDUCATION

### Master of Science in Information Technology

Kennesaw State University (KSU) | Atlanta, USA

GPA: 4.0/4.0

Expected: DEC 2024

### Bachelor of Engineering in Computer Science and Engineering

Lovely Professional University (LPU) | Punjab, India

GPA: 3.8/4.0

Graduated: May 2022

## TECHNICAL SKILLS

**Programming:** C, C++, Java, Python, JavaScript, TypeScript.

**Databases:** SQL, MySQL, MongoDB, Oracle.

**Front-end:** HTML, CSS, JavaScript, React, Angular, jQuery, Bootstrap, Redux, Jest, React Testing Library.

**Back-end:** Node.js, Java, Spring Boot, REST API, Express.js, Django, Docker, PHP, Kubernetes, AWS, AWS Lambda.

**Other:** Data Structures, OOP, GIT, TCP/IP, Bitbucket, Kanban, Jira, Agile methodologies, SDLC, Linux, Jest, JUnit, Postman.

## EXPERIENCE

**Graduate Research Assistant, Kennesaw State University** | Atlanta, USA

08/2023 – Present

*Technology Stack: HTML5, CSS3, Bootstrap, JavaScript, React JS, SQL, bootstrap.*

- Enhanced a responsive web application using React JS and Bootstrap.
- spearheaded extensive research on front-end technologies and best practices, applying this knowledge to enhance the user interface and user experience of the AIM Portal of Access and accommodation center.
- Created new features and functionalities along with performing bug fixes and increased user engagement by 15%.

**Software Developer Intern, Walmart Global Tech India** | Bangalore, India

02/2022 – 09/2022

*Technology Stack: java, React, Angular, Bootstrap, Spring Boot, REST API, Nodejs, Typescript, CSS,*

- Contributed to the development of a web application using Angular, gaining proficiency in front-end technologies and UI development and developed 10+ reusable UI components.
- Designed and implemented responsive UI components using Angular Material, ensuring a consistent and visually appealing user interface across various devices and screen sizes.
- Assisted in building the back-end infrastructure with Java and Spring Boot, learning core principles of server-side development.
- Worked on REST API endpoints to support data retrieval and interaction between the front-end and back-end systems.
- Skilled in using Angular services like HTTP to GET/POST integration with Java-based back end.
- Collaborated with senior engineers to understand and implement business requirements, enhancing problem-solving skills.
- Implemented automated testing suites using JUnit and Jasmine for back-end and front-end components, respectively, to maintain code integrity and reliability. Participated in manual testing and bug fixing, becoming familiar with the software development life cycle.

## ACADEMIC PROJECTS

**Personal website, my portfolio and CV website:** <https://tharund7.github.io/my-portfolio/>

**Front-End Projects** | Utilized HTML, Advanced CSS, SASS, JavaScript, React

- Natours Website, a tour booking responsive website: <https://tharund7.github.io/natours-tour-booking-website/>
- Nexter, a real estate business website: <https://tharund7.github.io/nexter-realtors-website/>
- Trillo, a hotel Booking website: <https://tharund7.github.io/trillo-hotel-booking-website/>

**Recipe Prediction System** | Python, Java Script, HTML, CSS, MySQL

- Given a set of incomplete ingredients the system predicts a final dish which is most likely to be prepared.
- Calculates F1 score for input ingredients to every recipe and displays the maximum scored recipe.

**Sorting-Visualizer** | Python matplotlib

- Visualizing sorting algorithms on real time, while comparing the time taken by each algorithm.
- You can change the data or size of the data and analyze how each algorithm performs.

**User Authentication**

- Minimal full-stack MERN app with authentication using JWTs. Users to allow Register, log in to Access protected pages only accessible to logged in users Stay logged in when they close the app or refresh the page Log out.

## ACHIEVEMENTS

- CHEGG EXPERT: freelancing in CHEGG platform since four months and helped 30+ students by solving their problems. Increased student satisfaction by 20%.
- Cricket Championship: Led a team of 11 members as a captain to win, demonstrating leadership, teamwork, and strategic thinking.