

Ritul Jain

📞 4694388683 • ✉ ritul.jain@utdallas.edu • in ritul-jain • 🌐 <http://lutir.github.io>

Objective

A Graduate CS Student with a strong background in Data Structures, Algorithms and decision making; seeking a summer 2020 internship for the roles of SE/SDE/PM, where I can utilize my knowledge and engineering skills to model and solve real-world problems.

Education

- **The University of Texas at Dallas, Richardson, TX** **Aug 2019–May 2021**
• *Master of Science in Computer Science*
- **National Institute of Technology, Tiruchirappalli, India** **July 2014–May 2018**
• *B.Tech in Computer Science and Engineering; GPA: 8.12/10*

Technical Skills

- Programming Languages: C, C++, Javascript, Python.
- Packages and Frameworks: Laravel, React, Vue.js, UIKit, Bootstrap, CakePHP, Pandas, OpenCV, Matplotlib, Git

Work Experience

- **Software Engineer Intern, Yocket** **Jan 2019–May 2019**
 - Built the Design Language for the portal that is used extensively by other developers.
 - Developed a CRM internal tool for the Management team to track the progress of a lead.
 - Devised a recommendation system that had the data of the candidates collected over the past 3 years, as a feature vector, which predicted a certain list of universities based on the student profile; Helping the candidate shortlist the schools for their further education.
- **Software Engineer Intern, Senov Tech** **May 2018–Aug 2018**
 - Supervised the development of DietKraft – a machine learning dietitian software.
 - Extracted the nutrition data using Beautiful soup, and modeled interface for the patient-dietitian interaction
 - Implemented the functionality to schedule and manage the patient's appointments, create custom diet charts and meal plans for the patients.
- **Software Engineer Intern, Hewlett Packard Enterprise** **May 2017–July 2017**
 - Modeled an interface between the composable infrastructure of HPE Synergy and the end-users.
 - Integrated Websockets and React.js, designed a unified API that handled functionalities like BIOS functioning, configuration management, etc for HPE Synergy architecture.

Personal Projects

- **University Roommate Finder** **April 2019–Aug 2019**
 - Using Laravel and Materialize.css, worked on the development of a portal which helped the graduate students in finding their roommates as per their preferences.
 - The portal was launched for 6 universities and was used by 2000+ international students.
- **Top-N Music Recommendation System** **Jan 2018–May 2018**
 - Worked with Million Song Database to develop a Factored Item Similarity Model (FISM) based Recommender.
 - Did a comparative study of the FISM model with the Popularity Based and Item-based recommendation systems and evaluated their Precision, Recall and F1 Scores.
- **Dalal Street - Stock Trading Platform** **Jan 2017–May 2017**
 - Built a real-time stock exchange platform using React and Websockets. The platform was used by 800+ students in Pragyan Techfest 2017.

Honors/ Awards

- Among the 10% of Computer Science graduates to receive the **Erik Jonsson Merit-based Scholarship**.
- Was under the top 1 percentile in JEE Mains to receive the **Under 1000 Scholarship** by the Ministry of Human Resources and Development, India.
- Secured 1st position in the **Pragyan Design Challenge** organised by Hackerearth and Microsoft.