Ritul Jain

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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, 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.

Full Stack Developer Intern, Docbox   **June 2016–Aug 2016**

- Formulated and Engineered a CRM which bridged the gap between doctor and patient activities by letting the doctor manage their appointments, send prescriptions and provide online consultation to the patients. The interface was built using Laravel and Node.js
- Optimized existing mobile API's to provide cross-platform usage.

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.