

## SABA RUHEE JAGIRDAR

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### EDUCATION

**Master's in Computer Science (CGPA 4.0)-** University of Texas at Arlington, TX, United States **May-2023**

Courses: Advance topic in Software engineering, Database System, Advanced Database System (Cloud Computing), Computer Networks, Distributed System, Data Analysis and Modelling Techniques, Design and Analysis of Algorithms

**Bachelor's in Computer Science Engineering-** Jain College of Engineering, Karnataka, India **June-2016**

### TECHNICAL SKILLS

**Programing Language:** Python, C, C++

**Framework:** Flask, ReactJS

**Web Technology:** HTML5, CSS3, JavaScript

**Database:** SQL, Redis

**Others:** Drupal8, GitHub, Docker, CI/CD (Jenkins), mRemoteNG, ServiceNow, J-Frog, Wireshark

### WORK EXPERIENCE

**Graduate Teaching Assistant, University of Texas at Arlington, Texas, United States** **Aug 2022- Present**

- TA for Computer Networks (CSE-5344)
- Designing assignments to demonstrate Wireshark, Multithreading and Socket programming
- Responsible for organizing, correcting exam papers, and conducting labs

**Graduate Teaching Assistant, University of Texas at Arlington, Texas, United States** **Jun 2022- Aug 2022**

- Technical Assistant at Economics department at UTA College of Business
- Responsible for fixing system issues and managing the inventory

**Graduate Teaching Assistant, University of Texas at Arlington, Texas, United States** **Jan 2022- May 2022**

- TA for Special Topics in Networking
- Responsible for organizing, correcting exam papers, and conducting labs

**Software Engineer, Thomson Reuters, Bangalore, India** **May 2018- Jul 2021**

- Developed 6+ static websites and 50+ Landing pages, thereby increased the development speed of PPC's by 25%
- Developed 3 dynamic websites- [Asian Legal Business](#)(ALB), [Hong Kong Lawyers](#)(HKL) and [WestlawAsia](#).  
Post redesign ALB had more than 23% increase in the user traffic.
- Created API's using Drupal for loading data on homepage of Westlaw Asia (from ALB).
- Responsible for conducting static and dynamic scans, and then rectifying or redirecting the failed scans.
- Monitored server-side resources during the server maintenance.
- Trained 5+ new staff to learn and cope up with the development speed.

*DevSide:* Drupal8, HTML5, CSS3, JavaScript, Python, PHP, Docker, Jenkins, J-Frog, Veracode.

**Software Engineer Trainee, DreamRunner Educational Services, Bangalore India.** **Aug 2017- May 2018**

- Worked on official Website and involved in various roles, like- creating Google forms for various tests, being a speaker at multiple events, etc.

*DevSide:* HTML, CSS, Bootstrap, JavaScript, jQuery, and AngularJS

### PROJECTS

**OneMart: One-stop for all purchases** **Aug 2022-Present**

- One-stop application for all student purchases. Students will be able to browse what stores are present on campus.
- Students will be able to purchase online from stores, chat with the stores, write posts, join different on-campus clubs and trade used furniture (or any other accessories)

*DevSide:* HTML, CSS, JavaScript, ReactJS, PHP, Laravel

**Arlington Art Gallery** **Aug 2021- Dec 2021**

- Designed and implemented the database for an Art Gallery that kept track of Artwork, Artists, and their customer.

*DevSide:* EER Diagram, MySQL, Python, HTML5, CSS3, JavaScript

**File Synchronize Management** **Aug 2021- Dec 2021**

- Developed Client-server application with simultaneous socket connections that synchronizes files using multithreading.

*DevSide:* Multithreading, Socket programming, Python, Client-Server architecture

**Weather Data Visualization** **Jun 2022- Jul 2022**

- For large weather dataset(30k)+ entries visualize dataset using different types of graphs and answer the complex queries

*DevSide:* Python (Flask), MySQL, Azure, Google charts

**Natural Language Detector** **Jun 2022- Jul 2022**

- An application that processes large texts and guesses the language of the input text or file.

*DevSide:* NLTK, MySQL, Python (Flask)

### ACHIEVEMENTS

- **Project of the year** (2015-2016)- Awarded by Karnataka State Council for Science & Technology
- **Emerging Toastmaster** Award (2018)
- **Base paper publication-** IJERGS journal, Volume 4, Issue 3, and 2016 Edition  
Entitled as "SMART RATION DISTRIBUTION USING RFID"