

SABA RUHEE JAGIRDAR

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Education

[CGPA: 4.00] Master's in Computer Science: University of Texas at Arlington, TX, United States **Aug 2021- May 2023**

Courses: Database Systems, Computer Networks, Advanced Topics in Software Engineering, Cloud Computing, Secure Programming, Web Data Management, Python, Design and Analysis of Data Structures and Algorithms

Bachelor's in Computer Science and Engineering: Jain College of Engineering, India **Aug 2012- May 2016**

Technical Skills

Programming Language/ Database: Python, Java, PHP, Oracle, MySQL, Redis, Object Oriented Programming (OOP)

Web Technology/ Framework: HTML5, CSS3, SASS, JavaScript, ReactJS, NodeJS, Angular, Flask

Others: Linux, API creation, Figma, Drupal8, GitHub, CI/CD(Jenkins), ServiceNow, Canva, Docker, Kubernetes, Azure, AWS

Professional Experience

Graduate Teaching Assistant (GTA), University of Texas at Arlington, Texas, United States **Jan 2022 – May 2023**

- As a GTA for CSE-5344 (Computer Networks), I designed assignments to demonstrate Wireshark, Multithreading, and Socket programming. Additionally, conducted labs, organized exams, and evaluated students.

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

Tech Stack: Drupal8, HTML5, CSS3, SASS, JavaScript, PHP, Docker, Jenkins, J-Frog, Veracode, Kubernetes, Adobe Photoshop

- Developed 10+ static websites, 50+ Landing Pages (LP) and 3 major products for Legal clients.
- Created "Code less", a tool that improved Landing page development speed by 25% through framework reuse.
- Designed and implemented a RESTful API to facilitate dynamic data loading between platforms.
- Developed custom modules to ensure a seamless data migration from legacy to redesigned applications.
- Achieved a 23% increase in user traffic by implementing a successful redesign.
- Performed regular dynamic and static website security scans and promptly addressed any identified security issues, ensuring a robust security posture for the organization.

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

Tech Stack: HTML, CSS, Bootstrap, JavaScript, jQuery, AngularJS

- Worked on the front-end development of the official Website of DreamRunner.
- Created custom login interfaces for mentors and mentees to improve user experience and streamline operations.
- Developed a text-based chat system for user queries that reduced turnaround time by 25%.

Academic Projects

Web Data Management: OneMart- A OneStop solution for all purchases **Aug 2022 – Dec 2022**

Tech Stack: Figma (UI prototype), HTML5, CSS3, JavaScript, MongoDB, Express, ReactJS, NodeJS, Canva

Student e-commerce web application that facilitates on-campus stores to list their products and enables students to buy from these stores, trade used items, network with peers, and post on student clubs.

Secure Programming: Share Securely (Deployed on Azure) **Aug 2022 – Dec 2022**

Tech Stack: Python (Flask), Azure, Flask-Bcrypt, HTML5, CSS3

Social networking web application that mainly focuses on mitigating security vulnerabilities.

Advanced Topics in Software Engineering: Cloud Storage Application **Jan 2022 – May 2022**

Tech Stack: Java, Socket Programming, Semaphore and Locks, Critical Section, Multi-threading

Developed a cloud storage application with an emphasis on pause-resume-recovery and the status of Delta Synchronization.

Database Systems: Arlington Art Gallery **Aug 2021 – Dec 2021**

Tech Stack: Entity Relationship Diagram (ERD), HTML5, CSS3, JavaScript, MySQL, RDMS, XAMP

Created a database application for an Online Art Gallery to manage customer, artist, and artwork data.

Optimized data retrieval by 15% while managing 16k unique monthly visitors.

Achievements

- Project of the year 2016- Awarded by State Council
- DreamRunner Hall of Fame Award
- Research paper published in International Journal
- Won International Toastmasters Award (Regionally)