SABA RUHEE JAGIRDAR

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Education

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

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

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

Technical Skills

Programming Language/ Database: Python, C, C++, MySQL, Redis, Object Oriented Programming (OOP)

Web Technology/ Framework: HTML5, CSS3, JavaScript, ReactJS, Flask

Others: Data Structures, Algorithms, Drupal8, GithHub, CI/CD(Jenkins), ServiceNow, J-Frog, Docker, Microsoft Azure

Professional Experience

Graduate Teaching Assistant, University of Texas at Arlington, Texas, United States **Jan 2022 – Present**

- Teaching Assistant for Computer Networks (CSE-5344), Special Topics in Networking
- Design assignments to demonstrate Wireshark, Multithreading and Socket programming
- The tasks include conducting labs, organizing exam papers, and evaluating them

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

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

- Developed 6+ static websites, 50+ Landing Pages (LP) and 3 dynamic websites for Legal clients
- Created reusable code snippets that increased the development speed of Landing pages by 15%
- Built a User Interface (UI) for client website, the redesign helped increase user traffic by 23%
- Designed and implemented a RESTful API to facilitate dynamic data loading between platforms
- Developed custom modules to ensure a seamless migration from legacy to redesigned applications with zero downtime
- 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: HTML, CSS, JavaScript, ReactJS, PHP, Laravel

A web application that enables on-campus stores to list their products, allowing students to buy from these stores, and trade used items among other. Additionally, allows students to network with peers using student clubs and posts.

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

Tech Stack: Python (Flask), Azure, Flask-Bcrypt, HTML, CSS

A student commerce app that focuses on mitigating security vulnerabilities like Buffer Overflow and Cross-site scripting.

Distributed Systems: File Synchronize Management **Aug 2021 – Dec 2021**

Tech Stack: Python, RPC, Socket programming, Client-Server architecture

Using multithreading built a client-server application for file synchronization with simultaneous socket connections.

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

Developed a Database application to manage customer, artist and artwork details of an Online Art Gallery, optimizing data retrieval by 15%. Created personalized interfaces for easy access to information with 16k unique monthly visitors.

Achievements

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