

Sartaj Sayeed Rauf

(248) 979-5155 | sayeed01@live.com

EDUCATION

The University of Arizona, College of Science

Bachelor of Science in Computer Science

Graduated: May 2025

Minor: Statistics and Data Science

- Honors/Awards: Recipient of Global Wildcat Freshman Tuition Award

TECHNICAL SKILLS and Course Work

Programming Languages: Java, Python, C, Ruby, JavaScript, HTML, CSS, Bash, Mips

Tools and Frameworks: Docker, REST APIs, S3, EC2, Agile, ReactJS (basic), SciKit-Learn, NumPy

Course Work: Software Engineering, Database Design and Management, Cloud Computing (AWS)

WORK EXPERIENCE & LEADERSHIP

Lynapse

August 2024 - Present

Co-Founder, Backend Developer

- Developed a keyword extraction algorithm utilizing the RAKE library in python to efficiently process JSON data, enhancing the matchmaking process to match student interns to labs
- Implemented an automated email notification system with REST API that authenticate with Google OAuth2 to send styled HTML emails via Gmail API, increasing engagement and user retention
- Containerized the application using Docker to ensure consistent development and deployment environments and used Kubernetes to orchestrate and connect multiple microservices, enabling scalable and resilient system architecture

University of Arizona

August 2022 – May 2025

Teacher Assistant for Discrete Math, Computer Science Department

- Worked with groups of 4-5 students in office hours reinforcing the learning process
- Utilized and optimized bash script to input and calculate student grades, saving 1 hour of work
- Implemented lesson plans by creating similar problem sets about topics taught in class

BATC (British American Tobacco Company)

July 2021- August 2021

Intern

- Summarized and analyzed start-up ideas to improve manufacturing for the company using graphs and tables to find the most profitable investment
- Created graphs and pivot tables in Excel based on data from sales and revenue

Leadership Experience

Omega Delta Phi Fraternity Inc,

April 2022- April 2025

Treasurer, Fundraiser Chair

- Promoted and maintained the traditional values of Unity, Honesty, Integrity, and Leadership by serving the community in organizing seasonal events at the local children's club
- Conducted the financial business, collect dues, file W9 forms and manage accounts worth \$7,000
- Organized several fundraising events, some with other businesses, and raised over \$1,000

Projects

Scheduler – Java, Git

- Developed a dynamic task scheduler that optimizes user time by creating and adjusting schedules based on task priorities, deadlines and changes based on user input.

Lynapse – Python, RESTful API, Git

- Created a platform where students can be matched with labs to work in using a match making algorithm that finds the best labs for students to work in based on their profile