

# Md Rashidul Alam Sami

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## EDUCATION

### The University of Texas at Arlington

Arlington, TX

*Bachelor of Science in Computer Science Honors, CGPA: 3.7*

*Aug. 2022 – May 2026*

**Relevant Coursework:** Data Structure & Algorithms, Operating Systems, Linear Algebra, Discrete Structures

**Awards/Honors:** Dean's List, Maverick Academic Scholarship, Freshman Honor Roll, Best AI Application Built with Cloudflare HackTX 2024, Main Track Winner and Best AI Project with Databricks HackUTA 2024, Best Use of MongoDB Atlas HackSMU VI

## TECHNICAL SKILLS

**Languages:** Python(Pandas, Numpy, Matplotlib, Scipy, TensorFlow, Keras), Java, C, C++, C#, JavaScript, TypeScript, SQL (Postgres),HTML/CSS, Matlab

**Frameworks/Tools:** React, Next.js, Spring Boot, Django, .NET, Flutter, Docker, Firebase, AWS, Azure, Git, Linux

**Software/Tools:** Anaconda, Android Studio, Adobe Suites(Photoshop, Lightroom, Premiere Pro, After Effects)

## PROJECTS

### MavGrades | *Next.js, TypeScript, Supabase, MySQL*

May. 2025

- Launched MavGrades, a platform showcasing detailed visual grade distributions by professor and course, attracting over 13,000 users in 4 months and significantly improving academic planning for students at UTA.
- Integrated RateMyProfessor reviews and Supabase authentication, enabling seamless login, comparison of professor ratings, and direct feedback submission—resulting in a 35% boost in user engagement and platform interactivity.

### Enduro | *Spring Boot, Java, Docker*

Feb. 2025

- Developed an Object-Oriented Java application using Spring Boot 3 to track running activities, featuring a CRUD REST API and seamless data management through JDBC API with an H2 in-memory database.
- Enhanced application reliability through comprehensive testing with Testcontainers and integrated JSON Placeholder for mock data during development.

### Fleet Pulse | *Next.js, MongoDB, Databricks, AWS S3, Cloudflare Workers, OpenAI GenAI*

Nov. 2024

- Built an AI-powered data visualization tool for fleet management, using machine learning models (Random Forest) to predict vehicle maintenance needs and leveraging Databricks with AWS S3 for large-scale data analysis.
- Developed deliver personalized recommendations by leveraging OpenAI's GenAI alongside historical driving patterns; generated actionable recommendations for fleet operators across a network of 100+ vehicles.

### ShelfShare | *.NET MVC, Microsoft SQL Server, Docker, Azure Studio*

Sept. 2024

- Engineered ShelfShare using .NET MVC, empowering over 200 users to effortlessly curate and showcase personal book collections while facilitating peer-to-peer lending and transactions through a Microsoft SQL Server database.
- Integrated Docker to streamline application deployment and enhance database connectivity, resulting in a 35% reduction in setup time for new development environments while ensuring efficient utilization within Azure Studio.

## EXPERIENCE

### Lead IT Support Specialist

Oct. 2022 – Present

*Office of Information Technology, UTA*

*Arlington, TX*

- Orchestrated tech support for over 42,000 users, achieving 30% reduction in resolution time by streamlining hardware and software installations while migrating more than 39,000 customers records to the ServiceNow ticketing system.
- Led a team of six student workers in implementing Adobe Intune, Microsoft Azure AD, and Jamf Connect for efficient device management across 500+ devices, streamlined setup process reducing onboarding time by up to 50%.

### Undergraduate Research Assistant

May 2023 – Sept. 2023

*Abacus Cloud and Edge Systems Lab (ACES)*

*Arlington, TX*

- Directed network architecture and design projects utilizing Kubernetes for resource management, achieving a 35% increase in network speed and architecting a data simulation system with Raspberry Pis and K3s.
- Created a web page illustrating weather data for 50+ counties through a map design sourced from a JSON file.

## ACTIVITIES

### ACM Create Officer

Aug. 2024 – Present

*Association for Computing Machinery*

*Arlington, TX*

- Facilitated workshops and hands-on training for a team of 30 students, enhancing their technical and project management skills, leading to a improvement in project completion rates by 40% throughout the semester.