

Keerti Aisham

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EDUCATION

Master of Science in Computer Science
Georgia State University

Aug 2024 – May 2026
CGPA: 3.9/4

Bachelor of Technology in Information Technology
G. Narayanamma Institute of Technology and Science

July 2018 - July 2022
CGPA: 9.1/10

TECHNICAL SKILLS

Languages : C, C++, C#, Java, Python, Javascript, PHP
Frameworks: .NET 6, ASP.NET, REST API, Agile
Technologies: Angular, HTML, CSS, Git, CI/CD Pipelines, Jenkins, Splunk, Azure, Windows Server
Databases: SQL, MySQL, Azure Cosmos DB, NoSQL, MongoDB, Snowflake
Tools & Platforms: JIRA, Bitbucket, ServiceNow, Visual Studio, DevOps
Testing: Software Testing, Unit Testing, Integrating Testing
Applied Skills: Application Development, Software Development Life Cycle (SDLC), API Development, Front-end and Back-end Development, System Architecture, Troubleshooting, Design Patterns, Statistics

EXPERIENCE

Georgia State University

Graduate Research and Teaching Assistant

Aug 2024 - Present

- Delivered 20+ lectures and 10 lab sessions on Advanced Python Programming as a Teaching Assistant, covering key topics including object-oriented programming (OOP), recursion, data structures, algorithms, and Git.
- As a Research Assistant, I optimized the university's course registration system using Angular for the front-end and Django with SQL for the backend. The system provided real-time seat availability, automated waitlist management, and reduced registration processing time by 40%, improving student and faculty satisfaction.

Micron Technology

Senior Software Engineer

Dec 2023-Aug 2024

- Architected and developed full-stack web applications using C# and .NET 6 for the backend, and Angular for the front-end, reducing application response time by 30% and enhancing user experience
- Designed and developed APIs using .NET Web API, enabling seamless communication between applications and external services, increasing data integration efficiency by 25%
- Automated Cosmos DB, NoSQL database to Snowflake data pipelines, and reducing manual efforts by 50%
- Optimized Snowflake views, reducing query latency by 20% for large-scale data retrieval
- Implemented role-based access control (RBAC) and OAuth 2.0 authentication using Azure Active Directory, significantly improving application security
- Led the upgrade of Angular from version 14 to 16, addressing compatibility issues and reducing technical debt by 30%

Software Engineer

Aug 2022-Nov 2023

- Enhanced front-end performance by optimizing Angular components, implementing lazy loading, and improving data binding techniques, reducing page load times by 25%
- Implemented real-time data streaming with Change streams and Service Bus, enhancing system responsiveness
- Introduced a new product feature end-to-end, designing Cosmos DB and Snowflake attributes, delivering 15% ahead of schedule, and receiving recognition for outstanding performance.

Apple

Software Engineer Intern

Jan 2022 – June 2022

- Implemented interactive maps and location-based functionalities into web applications using React Leaflet, enhancing user experience with geographic features for over 500 users.
- Integrated the Django framework with RESTful Web Services and MySQL, ensuring seamless integration and functionality across the technology stack in projects involving up to 10,000 transactions.

CERTIFICATIONS

- C# .NET Fundamentals, RxJS in Angular: Reactive Development, Testing .NET Code with xUnit.net2 from Pluralsight

PROJECTS

Local Vendor Connect [Link](#)

- Developed a web application utilizing React and the Django framework, with MySQL as the database solution.
- Facilitated local vendors in posting and managing item details, enhancing their online presence and operational efficiency.

ACHIEVEMENTS

- Received 'Go the Extra Mile' recognition for delivering complex stories on time
- Received 'Top Notch Team Member' award from an application user for swiftly resolving her issue