Megha Narendra Simha

Seattle, USA

Full Stack Developer

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EDUCATION

Master of Science Computer Science, City University of Seattle, Seattle- **GPA:4.0** *April 2024 to Present*
Bachelor of Computer Science and Engineering, JSSATE, Bengaluru- **GPA:7.0**   *June 2014 to June 2018*

ACHIEVEMENTS

- **Secured 3rd Place** in the SET Pitch Competition 2024 organized by Net Impact at City University of Seattle.
- **Participated** in a Hackathon (2025) hosted by Seattle Data & AI Security Organization at Microsoft Redmond.
- **Participated** in Hackathon 2025 hosted by Open Source AI Hackathon at Microsoft Redmond
- **Dean's List for Academic Excellence:** Summer 2024,Fall 2024 and Winter 2025 Achieved top 10% academic standing in Computer Science department.

WORK EXPERIENCE

City University of Seattle, Seattle, WA   *January 2025 to Present*
Student Worker/Teaching Assistant (Part-Time)

- Managed and optimized 15+ courses on Brightspace (LMS) including courses like Data Science, Full Stack Web Development, Machine Learning, Cloud Computing and driving quarterly updates, creating standardized templates, and enhancing accessibility, resulting in a 30% reduction in technical support requests for 200+ students.
- Collaborated with 10+ faculty members to identify and resolve technical challenges, improving course content and achieving a 95% satisfaction rate based on faculty feedback.
- Provided ongoing support to 8 Amazon employee-students in a high-impact pilot program, troubleshooting technical issues and ensuring seamless access to online learning platforms, resolving 10+ queries per session with consistent efficiency.

Costco Wholesale, Issaquah WA   *June 2024 to August 2024*
Software Developer

- Optimized Pricing and Inventory microservices as part of the OMS Modernization project, reducing API response time by 30% and improving system scalability by leveraging DDD, CQRS, and MediatR patterns in C# .NET Core.
- Implemented robust API validation and security measures using FluentValidation and JWT authentication, reducing authentication failures by 40% and significantly enhancing data integrity across services.
- Successfully facilitated cross-team adoption, enabling the Pricing, Order, and Inventory teams to leverage the validation framework for consistent and secure data handling, ultimately reducing the workload of 12+ colleagues by streamlining processes and eliminating manual validation steps.
- Demonstrated API validation and service functionality to an audience of 50+ stakeholders.
- Strengthened role-based access control (RBAC) by implementing granular authorization policies, ensuring secure access management and reducing unauthorized data access incidents by 35%.

Accenture, Bangalore   *February 2022 to February 2023*
Application Development Analyst

- Led the development of a cloud-based Hoteling Application used by over 10,000 Accenture employees in India, utilizing Angular, .NET Core, and C#. Orchestrated REST APIs for core functionalities, including booking, cancellation, check-in, and checkout, ensuring seamless user experience and system reliability.
- Designed and implemented a QR code-based booking and check-in system, reducing check-in time by 40%, minimizing front desk congestion, and enabling seamless, contactless check-ins for guests. By optimizing performance with lazy loading, SVGs, and CDN-hosted assets, the system improved page load speeds, enhanced mobile responsiveness, and ensured a smooth user experience even during peak booking hours.

- Utilized Cosmos DB for efficient application configuration storage, improving data retrieval speed by 30% and enhancing system scalability to support 10,000+ users.
- Mentored and trained 15+ new recruits, accelerating their onboarding process and improving team productivity by 20% in both technical and functional aspects of the application.

NTT Data, Bangalore   *April 2019 to March 2021*
Software Developer
- Developed a robust Windows application using C# .NET and ADO.NET, integrating PowerShell scripts to automate background tasks and improve workflow efficiency for McKesson Pharmacy client in the USA, supporting 1,000+ users using PharmaServ
- Led the implementation of key Rx processing features, including dispensing, verification, and Rx change, optimizing performance through efficient stored procedures and SQL queries.
- Drove requirements gathering, technical analysis and conducted feature demonstrations to clients, ensuring smooth knowledge transfer and project handover to 5+ onsite employees.

SKILLS

- **Programming Languages**: C#, Python, JavaScript (ES6), TypeScript
- **Web Development**: React (Redux, Hooks, RTK Query), Angular 8, HTML5, CSS (Bootstrap, Tailwind), .NET Core, Node.js, Express.js
- **Cloud Technologies**: Azure DevOps, Service Bus, Cosmos DB, Function Apps, AWS Lambda, API Gateway, Rekognition, S3
- **Databases**: SQL Server, MySQL, MongoDB (Atlas), Cosmos DB, DynamoDB
- **Architectural Patterns**: Object-Oriented Programming (OOP), Domain-Driven Design (DDD), Command Query Responsibility Segregation (CQRS), MediatR
- **Development Practices**: Agile (Scrum/Kanban), Git, GitHub, JIRA, Trello, Notion
- **Data Science & AI**: General AI (Gen-AI), Ollama, Gemma,Pytorch
- **Tools & IDEs**: VS Code, Visual Studio, Jupyter Notebooks

PROJECTS

- Visual Insight Generator – React-based image analysis tool using AWS Rekognition with Lambda, API Gateway, S3, and DynamoDB, achieving 95% detection accuracy on 200+ images.
- Expiry Tracker for Groceries – MERN stack web app with real-time grocery expiry tracking, AI recipe suggestions via Ollama, and backend scheduling, reducing food wastage by 20%.
- Coding Coach – AI-powered assistant for DSA and LeetCode guidance, offering personalized scheduling, revision reminders, and performance tracking.
- AI-Powered Learning Assistant – Gemini-based AI tutoring system with Flask and React, featuring multi-agent collaboration and personalized learning, improving efficiency by 30% for 50+ students.

VOLUNTEERING

Full Stack Developer, United States of Africa (Austin, TX) Remote   *May 2023 to June 2024*
Worked for Zumaridi Video Conferencing application enabling youth-focused digital literacy, mentorship, and capacity-building training through scheduling and hosting meetings.