

Megha Narendra Simha
Seattle, USA

+1 2065961323 | narendrasimhamegha@cityuniversity.edu | [Megha Narendra Simha | LinkedIn](#) | [MyPortfolio](#)

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

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*

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 Software Developer

April 2019 to March 2021

- 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.

PROJECTS

- **Visual Insight Generator**
Built a React-based image analysis tool using Amazon Rekognition for facial recognition and label detection. Integrated AWS Lambda, API Gateway, S3, and DynamoDB for backend processing and storage, with CloudWatch for monitoring.
- **Expiry Tracker for Groceries**
Developed a MERN stack web app for managing grocery items with real-time expiration tracking. Integrated MongoDB Atlas, AI-powered recipe suggestions via Ollama, and backend scheduling for notifications and automated status updates.
- **AI-Powered Learning Assistant**
Created a Gemini-based AI tutoring system using Flask and React with multi-agent collaboration. Enabled personalized quizzes, learning summaries, and peer-driven support through prompt engineering and an intuitive modular interface.

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.

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.
- **Dean's List for Academic Excellence:** Summer and Fall 2024 Achieved top 10% academic standing in Computer Science department.