Neha Ruth Annareddy

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EDUCATION

Bachelor of Science, Computer Science, *Summa Cum Laude*   **Aug 2020 - May 2025**
University of Cincinnati   GPA: 4.0/ 4.0
- Software Engineering Certificate, University Honors Scholar, Mantei/MAE Scholar, Top GPA Award

SKILLS

Programming Languages: C#, SQL, Typescript, C++, HTML, CSS, JavaScript, Python, XAML, VB, Prolog, Java, MATLAB
Tools/ Frameworks: .NET (Core, MAUI, MVC, Entity Framework), React JS, Flask, Svelte, D3, Jira, Git, Docker, Figma
Certifications: Machine Learning, Stanford University. Azure Fundamentals
Concepts: Frontend/Backend Development, Full stack Development, Software Engineering, CI/CD, ML, DB Management

EXPERIENCE

.NET Software Developer | Omniboom   **May 2025 – Present**
- Designed and developed a cross-platform iOS app in .NET MAUI (MVVM), integrating Stripe for payments, Toast for bar order processing, and Azure Cosmos DB/MongoDB for scalable patron and venue data storage.
- Built and deployed a microservice-based backend in .NET 6, designing and implementing RESTful APIs with Auth0 authentication, Azure cloud storage, and docker-compose for local development.
- Implemented CI/CD pipelines using Azure Pipelines for automated builds and deployment/testing via the Apple Developer Program and TestFlight, ensuring smooth functionality and user experience across iOS devices.

Software Developer Co-op | Cincinnati Children's Hospital   **May 2023 – Aug 2023**
- Led full-stack web development using **.NET** for back-end, migrating 15 key pages from Angular to **React** (TypeScript, HTML, CSS), improving load times by 30% and supporting a data center serving 19,500+ employees.
- Spearheaded front-end development, communicating with a User Interface team to translate 20+ **Figma** designs into a responsive, intuitive interface while integrating **Entity Framework** with MySQL for data management.
- Integrated with an existing LDAP identity system to support 2,000+ users and improved code reliability by implementing **NUnit** tests (60% coverage), decreasing production bugs by ~40%.

Software Engineer Co-op | Matson Money   **Jan 2022– Dec 2022**
- Developed multiple full-stack solutions using .NET Core, C#, ASP.NET, and React.js/Redux, including a secure fillable forms system handling 1,000+ monthly financial submissions, improving processing efficiency by 35%.
- Designed and implemented secure RESTful APIs in C# / .NET Core hosted in Azure, replacing Jitterbit integrations to save $40K annually and reduce synchronization errors by 60%; optimized SQL Server databases for 27K+ clients / $11B+ in investments, cutting report generation time by 50%.
- Collaborated in Agile/Scrum teams using JIRA, resolving 50+ backlog tickets, contributing to testing, code reviews, and deployments, and accelerating feature releases by 10%.

PROJECTS

Pet-igree | A Pet Social Media App
- Built a containerized full-stack app with **RESTful APIs**, JWT-based auth, real-time chat via **WebSocket** and SQL Alchemy ORM for scalable and maintainable data models.
- Designed UI in **Figma** and built responsive, component-driven interface with React Context and MUI
- Integrated CNN-based pet breed classification, image moderation via Vision API and location-based pet matching using geospatial filtering.

Frontend/Data Projects
- Developed and deployed three interactive SPAs using **Svelte.js** and Vite including a journaling tracker, smart IoT toaster UI, and a full redesign of Yahoo.com with reactive components.
- Built a D3.js and Leaflet-based web app visualizing temporal and spatial character data with dynamic SVG rendering, GeoJSON mapping, and modular chart components themed on *Avatar: The Last Airbender*
- Engineered custom UI systems with state-driven logic components, dynamic event handling, and high-fidelity prototypes in **Figma** to ensure optimized user flows.

ACTIVITIES

Student Organizations: University of Cincinnati ACM-W, Association for Women of Color in Engineering, Alpha Omega
Volunteering: Wesley Chapel Mission Center/ Pause - Mentored elementary school children for an after-school program.
                ENGin - Tutored Ukrainian students in English