Thrinayani Yedhoti

Redmond, WA | Phone: +1 (425) 321-9128 | thri9e@uw.edu | LinkedIn: thrinayani-yedhoti-a65044210 | GitHub: Thrinayani39e

Summary

Results-oriented MS candidate in Computer Science (University of Washington, expected June 2027) with 1.5+ years in software development and 6 months of AI/ML research experience. Proficient in **JavaScript**, **TypeScript**, **C#**, **C++**, **Java**, **SQL**, **Python**, and **Angular**, with demonstrated expertise in full-stack development, including frontend UI design with modern frameworks, backend API development, and database optimization. Collaborated at Schneider Electric to deliver innovative solutions, such as reducing licensing validation time by 30% and database query execution by 40% using **ASP.NET**, **SQLAlchemy**, and agile methodologies.

Skills

Programming Languages: JavaScript, TypeScript, C#, C++, Java, SQL, Python
Frameworks and Libraries: Angular, REST API, FAST API, Node.js, .NET, ASP.NET, SQLAlchemy, OpenCV, Pytorch
Tools: Azure DevOps, Git (Version Control), Github, Visual Studio, Postman, Jira, VSCode, SonarQube
Databases: SQL, MySQL, SQLite (with ORM principles)
Methodologies: SCRUM, CI/CD, Agile, Code Reviews, Software Testing

Education

MS, Computer Science and Software Engineering — **Expected: June 2027**
University of Washington — *GPA: 3.75/4.0*

Bachelor of Technology, Computer Science and Engineering — **Sep 2020 - Jul 2024**
Amrita Vishwa Vidyapeetham — *GPA: 3.5/4.0*

- **Achievements:** First Class with Distinction, Published two research works in IEEE
- **Coursework:** Object-Oriented Programming (A+), Neural Networks and Deep Learning (A+)

Experience

Schneider Electric, Research and Development — **Feb 2025 - Aug 2025**
Software Design Engineer (Full-stack Developer) — *Bengaluru, India*

- Developed a proof-of-concept for UMAC application's GSE license mechanism using **C#/.NET** and **WPF**, reducing licensing validation time by 30% and improving system scalability.
- Contributed to Schneider Electric's Net Carbon Zero initiative by developing a sustainability project using **Python** and **FastAPI**, targeting net-zero carbon in IT operations.
- Designed user management features and dashboards for the cybersecurity service portal using **Angular**, **ASP.NET**, and **SQL**, enhancing vulnerability inspection analysis tools.

Schneider Electric, Research and Development — **Aug 2024 - Feb 2025**
Graduate Engineer Trainee (Full-stack Developer) — *Bengaluru, India*

- Contributed to Industry Services and sustainability projects, applying **ASP.NET (C#)**, **Python**, and **Angular** to deliver critical feature enhancements for net-zero carbon goals.
- Utilized agile **SCRUM** practices across the Software Development Life Cycle, improving project alignment by 20%.
- Optimized code using **.NET**, **WPF**, and **Angular**, reducing application load times by 20% and ensuring robust unit testing.
- Improved database performance with **SQLite** and **SQLAlchemy** using ORM principles, achieving a 40% faster query execution.

Schneider Electric, Research and Development — **Jan 2024 - Jul 2024**
Application Engineer - Intern — *Bengaluru, India*

- Mastered **C#**, **Angular**, and **.NET**, delivering a production-ready **RBAC** application for access control, validated with **Sonar** and **Coverity**.
- Demonstrated ownership by delivering reliable code and adapting to new technologies in a fast-paced environment.

Projects

Optimal Seamlines for Image Stitching using Fast Marching Method (OpenCV) | **Link**

- Image stitching pipeline with **OpenCV** in C++, using the Fast Marching Method to compute optimal seamline along with mask computation for images with large parallax.
- Worked with Lawrence Sanchez (Engineering Director at Minecraft, Microsoft) for this project

Accurate and Optimized Labelling of Fashion Products Through Attention Based SNN [IEEE] | **Link**

- Published research on attention-based spiking neural networks for efficient and accurate labeling of fashion products, leveraging **Python** and **AI/ML** techniques. Main goal was to research on how to make SelfAttention a dense layer work with SNN, a sparse network.

Convolutional Neural Network Based Age Estimation using Diverse Facial Datasets [IEEE] | **Link**

- Developed a **CNN-based** model for age estimation using diverse facial datasets, implemented in **Python**, achieving high accuracy in real-world applications.