Thrinayani Yedhoti

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SUMMARY

Results-oriented MS candidate in Computer Science (University of Washington, expected June 2027) with 1.5+ years in software development. 6 months of AI/ML Research Experience in Undergrad. Proficient in **JavaScript**, **Java**, **C++**, **C#**, **SQL**, **Python**, and **Angular**, with strong experience in designing, developing, deploying, and maintaining web apps and some mobile app experience. Collaborated at Schneider Electric to improve licensing validation by 30% and database performance by 40% using **ASP.NET** and **SQLAlchemy**. Skilled in problem-solving, debugging, and teamwork in **agile** environments, I adapt quickly to new technologies and drive customer-focused innovation.

SKILLS

Programming Languages: JavaScript, TypeScript, C#, C++, Java, SQL, Python
Frameworks and Libraries: Angular, REST API, FAST API, Node.js, .NET, ASP.NET, SQLAlchemy
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

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 papers under two professors
- **Coursework:** Data Structures and Algorithms (A), Database Management Systems (A), Operating Systems (A), 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*

- Quickly learned **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

Network Anomaly Detection using Spiking Neural Networks | Link   **Jul 2024**
- Developed an **AI/ML-driven** solution using **Python**, integrating spiking neural networks to detect anomalies at scale, applying data structures and algorithmic techniques.

Accurate and Optimized Labelling of Fashion Products Through Attention Based SNN [IEEE] | Link   **Oct 2024**
- Published research on attention-based spiking neural networks for efficient and accurate labeling of fashion products, leveraging **Python** and **AI/ML** techniques.

Convolutional Neural Network Based Age Estimation using Diverse Facial Datasets [IEEE] | Link   **Nov 2024**
- Developed a **CNN-based** model for age estimation using diverse facial datasets, implemented in **Python**, achieving high accuracy in real-world applications.

Personal Website | Link   **Aug 2025**
- Designed and developed a simple portfolio website using **Angular**, showcasing projects and professional experience.