# 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), 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; co-authored an in-progress **white paper**.
- 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.

**Automobile Management System** | **Link** **Jun 2023**

- Built a full-stack application using **JavaScript**, **Node.js**, **PHP**, and **MySQL**, delivering performant user interfaces for inventory tracking and solving business problems through custom software solutions.

## PUBLICATIONS

**Accurate and Optimized Labelling of Fashion Products Through Attention Based SNN** | **Link** **Oct 2024**

**Convolutional Neural Network Based Age Estimation using Diverse Facial Datasets** | **Link** **Nov 2024**