Thrinayani Yedhoti

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SUMMARY

Software Engineering MS candidate at University of Washington (graduating June 2027) with a strong foundation in **computer science**, **object-oriented programming**, **algorithms**, and **data structures**. Proficient in **Python**, **JavaScript/TypeScript**, **C#**, **SQL**, **Angular**, **ASP.NET**, and **FastAPI**, with hands-on experience in **full-stack development** and **database optimization**. Delivered impactful solutions at Schneider Electric, including a 30% reduction in licensing validation time and 40% faster database queries. Adept at **SCRUM**, **problem-solving**, and rapidly adapting to new technologies.

SKILLS

Programming Languages: Python, JavaScript/TypeScript, Node.js, Java, C#, C/C++, SQL

Frameworks And Libraries: Angular, React, FastAPI, Node.js, .NET, ASP.NET, SQLAlchemy

Tools: Azure DevOps, Git, Visual Studio, Postman, Jira

Databases: SQL, MySQL, SQLite (with ORM principles)

Methodologies: SCRUM, CI/CD, Agile Development, 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 *India, GPA: 8.73/10 (3.49/4.0)*

- **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 **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 **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 **Oct 2024**
Convolutional Neural Network Based Age Estimation using Diverse Facial Datasets **Nov 2024**