

NEEL SURESH

neel.kandan.suresh@gmail.com • (669) 258-9342 • LinkedIn: neel-suresh • US Citizen

SKILLS

Languages/Skills: Python, Java, C++, C, Groovy, pyATS Framework, Jenkins, Kubernetes.

Relevant Coursework: Data Structures & Algorithms, OOP in C++, Fundamentals of Java, C/C++ in UNIX Environment, Computer Architecture, Digital Logic.

WORK EXPERIENCE

Cisco Systems - QA Software Engineer Intern | *San Jose, CA* May 2024 - present

- Spearheaded the development of a Python-based API benchmarking tool integrated into ND Congo 3.2.1 regression suites, used to assess **30+ APIs** on the Nexus Dashboard system with every release.
- Expanded cluster validations in ND Infra automation using the pyATS Python framework, increasing total test cases by **9%** and flagging a critical bug in which **3 instances** of customer passwords were visible in clear text from tech support logs.
- Engineered Python scripts to monitor cluster recovery and identify faults during Nexus Dashboard service deployment, seamlessly integrated into nightly triggers for **daily utilization**.

PROJECTS

Flight Path Optimization | *Dallas, TX* October - November 2023

- Developed a comprehensive travel itinerary tool using Java, optimizing flight paths and constructing tailored schedules according to user preferences for time and cost efficiency.
- Implemented complex data structures to create a map of flights, while engineering algorithms to enable efficient searches and curating the “top 3” travel itineraries.

Derivative Calculator | *Dallas, TX* March - Apr 2023

- Developed an advanced calculator using C++, capable of taking derivatives of polynomials and handling trigonometry functions.
- Leveraged object-oriented programming principles such as polymorphism and inheritance to accurately identify and isolate individual components of an expression.
- Created a modular and extensible framework for handling operations, an implementation which is both scalable and maintainable.

EDUCATION

The University of Texas at Dallas | *Dallas, TX* Expected Grad: May 2026

- Bachelor of Science in Computer Science, **GPA: 3.84**
- Scholarships/Awards: Academic Success Scholar, Dean’s List (Spring 2023)

LEADERSHIP

Phi Delta Theta Christian Fraternity - Chaplain | *Dallas, TX* December 2023 - present

- Leads a committee of **10+ members** in organizing and facilitating weekly seminars on wellness and self-development.
- Organizes and leads celebrations of diverse cultural and religious events, fostering inclusivity and understanding within the UT Dallas community.

“Lemon Wars” Team Captain | *Dallas, TX* October 2023

- Directed a team of **20+ members** in planning and orchestrating the university-wide philanthropy event “Lemon Wars,” attracting hundreds of people and receiving sponsors from prominent brands including Raising Canes.
- Coordinated the preparation of various foods, games, and prizes for the event, resulting in the successful fundraising of **\$3400+** towards ALS research for the LiveLikeLou Foundation.