Lakshmi Siri
Appalaneni

📞 +1 (945) 267 3293

🌐 Siriapps.github.io

📍 Prosper, TX, USA

in LinkedIn Profile

Education

- Prosper High School, TX, USA | *2023-Present*
- R.H. King Academy, ON, Canada | *2022-23*
- Genesis International School, India | *2010-21*

Skills

- Programmer: C++/C, Python, Qiskit, Q#, PennyLane, Scikit, SQL
- Web developer: Flask, HTML, CSS, JSON, XML, Bootstrap, Dash, JavaScript., UI/UX
- Software: Squarespace, Wix, Git, ElasticSearch, AWS Clarify, QBraid, Postman
- Open source contributor
- Languages: English, Hindi, Telugu.

Awards

ICPC ALGO QUEEN | GLOBAL RANK 5 (CP & QUANTUM)
IBM & Amrita | june 2023

IBM CERTIFIED QUANTUM DEVELOPER
IBM | june 2021

ADVANCE BADGE | TOP SCORER
IBM Quantum Spring Challenge 2023

QISKIT LOCALIZATION CONTRIBUTOR (BRONZE)
2021 - present

TECHNOVATION TORONTO GIRLS CHAPTER | QUARTER FINALIST
Sept 2023

ADVANCE BADGE | TOP SCORER
IBM Quantum Challenge 2021

QUANTUM EXCELLENCE QISKIT GLOBAL SUMMER SCHOOL
IBM | July 12-23 2021

GUINNESS WORLD RECORD PARTICIPANT
Guvi | April 2021

3RD PLACE IN SPEECH
YLP Toastmasters International Finale | 2020

GOLD BADGE PROBLEM SOLVING
Hackerrank | 2021

GOLD BADGE 1ST RANK (PYTHON AND C++)
Hackerrank | 2020

About Me 🐙

Tech enthusiast and a certified Quantum developer, with a keen interest in AI/ML and competitive coding. Specializing in python programming, have a strong foundation in data analysis, algorithm design, and optimization. Extremely motivated to constantly hone my skills and grow technically. Excited about the intersection between NLP, computing, and quantum, using cross-functional skills to advance technology.

Work Experience

Young Researcher (New York Academy of Sciences & 1000 girls 1000 futures) | *2023-24*

WasteWatch is an AI project designed to efficiently sort waste using advanced machine learning techniques. The project comprises data processing, dataset creation, AI model development, and visualization of attribution methods to explain decision-making. The results are presented through a dedicated website.

Safe-navigation Research paper | *2023*

Collaborated with a team of 5 researchers from India and Canada to develop a safety model for women and students travelling in new cities. Implemented the A* Algorithm to predict the safest routes based on various factors such as crime rate, street light density, and socio-economic conditions. Utilized datasets of cities like Boston to test and evaluate the model. With successful research, we aim to create a fully functioning and usable prototype for the public.

Qiskit | *2021*

Contributed in translating IBM Quantum Challenge ex2 and added solution to ex5. Fixed bugs.

Data on wheels | *May 2022*

A data science project built using dash, plotly, elasticsearch and tableu to visualise and create statistics on a automotive indutry sales based dataset.

Techie Jr. | *April 2021*

A blog-publishing website built to develop the early career of the young techies. I beilieve that through this platform many Jr. techies will get inspired by the stories of their peers and help each other by sharing about the opportunities they come across.

Activities

TRAIN (AI &ML - Coding School)
| Oct 2023 - present
A Comprehensive 2-semester program covering AI foundations, NLP, ML, and Deep Learning, led by industry experts and Stanford researchers. Involves hands-on AI capstone project.

MiT iQuHACK
| Feb 2023 : Participated in virtually. Worked on optimizing, the tasks given by Microsoft.
| Feb 2024 : We tackled the challenge set forth by Classiq Technologies, trying to approximate hyperbolic tangent function with a 30 qubit quantum computer.

Quantum Global Summer School
| Jul 2021 - Aug 2021 and | Jul 2023 - Aug 2023
Completed the two-week intensive course provided by IBM Quantum, with a 100% final cumulative score, demonstrating applied understanding and comfort with Quantum Computing and Quantum Machine Learning using Qiskit

Qubit x Qubit (Initiative of Coding school & Sponsored by IBM)
| Oct 2020-March 2021
Introduction to Quantum Computing Course. Part of global quantum community.

Qiskit Bronze level translator
| 2021 - present
Member of Qiskit-Docs localization project. Part of Hindi and French communities.

Lakshmi Siri Appalaneni

+1 (945) 267 3293

Siriapps.github.io

Prosper, TX, USA

LinkedIn Profile

QWORLD BRONZE | QUANTUM
|*July 2023*

QWORLD MERCURY | QUANTUM
|*July 2023*

Womananium Quantum
| *July 2023*

Completed the Womanium Quantum Program, gaining expertise in quantum computing, sensing, and entrepreneurship, with hands-on experience in quantum machine learning and virtual lab tours.

Girls Who Code - GWC
| *Jul 2021 - Aug 2021 and | Jul 2023 - Aug 2023*

Explored and gained proficiency in web development, cybersecurity, data science, and artificial intelligence. Involved in a global community of empowering women.

Volunteering

City council elections campaign
| *July 2023*

Distributed campaign materials through mailboxing. Engaged with voters, ignited conversations, and passionately encouraged them to cast their ballots for the candidate.

Toronto Student Nutrition Program
| *Aug 2022 - Aug 2023*

Dedicated food enthusiast who fueled young minds by distributing nutritious breakfasts for a full year, as a member of the school food and nutrition program. Collaborated with a dynamic team, whipped up delicious baked goods, and orchestrated food and nutrition events.

We Care Panel Volunteer - Mental Health Awareness program
| *March 2023*

Participated in learning about the importance of mental health awareness. Supported and engaged with other participants to promote a safer space.