

Salman Azeez Syed

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[google.scholar.com](https://scholar.google.com/citations?user=ssyed75)

github.com/CodeAlpha7

medium.com/@Salman-Syed

EDUCATION

Georgia Institute of Technology

Atlanta, GA, USA

Master of Science (MS) in Computer Science | **Specialization:** *Computing Systems*

Expected May 2025

Courses: *Adv. Operating Systems, Systems for Machine Learning, Distributed Computing, Cloud Infrastructure, Deep Learning, Computer Architecture, Algorithms/Data Structures, Cryptography, Database Management, Networking*

SKILLS

Languages: C, C++, C#, Python, Go, JavaScript, HTML, CSS, SQL, Solidity

Frameworks: React, Bootstrap, Nodejs, Expressjs, jQuery, gRPC, OpenMP, MPI, TensorFlow, PyTorch, Web3

Environments: Git, Docker, Kubernetes, Linux, Bash, Shell, Truffle, Azure, AWS, Unity, Jira, Confluence, Agile

Development Tools: Wireshark, Splunk, Autopsy, Neo4j, Postman, REST API, PostgreSQL, MongoDB, AWS S3

Speaking Skills: English(Fluent), Hindi(Fluent), Japanese(Advanced), Telugu, Arabic

Hard Skills: SDLC, AWS Solutions Architect, Full-Stack Software Development, Agile, Information Security,

EXPERIENCE

Software Engineer Intern

Jun 2024 - Aug 2024

Vieaura, Alpharetta, GA, United States

- Lead Developer for a Gen-AI based Mixed Reality (AR/XR) OpenXR app to streamline manufacturing processes.
- Optimized manufacturing workflows reducing training time by 37%, training costs by 40% and boosting worker efficiency by 25% helping save up to \$15 million per facility from rework and scrap reduction (est.).
- Mentoring High School and College freshmen interns in learning Software Development & Research practices.

Blockchain Researcher Intern

Oct 2022 - Apr 2023

Cypherock, Singapore

- Played a pivotal role under the CEO, contributing to substantial startup growth and securing \$1 million in funding
- Identified and addressed vulnerabilities in hardware crypto wallets, architecting strategic solutions for mitigation.
- Authored SEO-optimized technical articles boosting page visits by 460% and average visit duration by 2000%

MITACS Globalink Research Intern (GRI'22)

May 2022 - Aug 2022

University of Victoria, British Columbia, Canada

- Proposed a novel quantitative framework on hierarchical critical-section WAN-based Blockchain.
- Engaged in global outreach to survey needs of blockchain startup CEOs worldwide through 1-on-1 meetings.
- Showcased findings at prominent Canadian and Chinese networking labs to 50+ postdocs and industry researchers.

SOFTWARE PROJECTS

- An end-to-end MapReduce Infrastructure with shared file system, RPCs and sharding-based file splits. ([link](#))
- A scalable novel hierarchical blockchain L1 infrastructure with a worst-case throughput improvement of 34%. ([link](#))
- QR-code Generator Application for automation open-source. Merged PR on repo with 743 stars. ([Source Code](#))

SELECTED RESEARCH/PUBLICATIONS (3 OUT OF 7)

1. RARE: Resource Allocation using GBDT Distilled Deep Reinforcement learning for 5G Network Slicing. ([code](#))
2. Modeling Distributed and Configurable Hierarchical Blockchains for Large-Scale Internet of Things ([2023](#))
3. Applying SDN-based Ambient Intelligence Techniques for Cognitive and Emotional Awareness in IoT. ([2023](#))

LEADERSHIP EXPERIENCE

1. Graduate Teaching Assistant for the Distributed Computing (CS 7210) course for 100+ students at Georgia Tech.
2. Captained the Championship Winning U-17 National School Soccer Team, held in Saudi Arabia (2017)
3. MITACS GRI Ambassador and participant at AICTE Secondary Education Tech Enhancements council (2022)

HONORS & AWARDS

- Gold Medalist, National Science Expo (KSA) for innovating a self-sustaining Live Hydropower Plant Prototype
- Recipient of DASA CIWG Scholarship and MITACS Graduate Fellowship (GGF) worth combined USD 40,000