

Salman Azeez Syed

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EDUCATION

Georgia Institute of Technology

Master of Science (MS) in Computer Science

Atlanta, GA, USA

May 2025

Coursework: Operating Systems, Computer Networking, Distributed Computing, Computer Architecture, Machine Learning, Cloud Infrastructure, Algorithms/Data Structures, Cryptography, Database Management

SKILLS

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

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

Development Tools: Unity, Wireshark, Splunk, Autopsy, Neo4j, AWS, Azure, Postman, PostgreSQL, MongoDB, Jira

Environments: Git, Docker, Kubernetes, Linux, Bash, Shell, Truffle, REST APIs, Windows

Hard Skills: Software Development Life Cycle (SDLC), AWS Solutions Architect, LLMs, RAGs, Vector databases (Pinecone, Neo4j), Graph/Non-relational databases (MongoDB, Neo4j), Relational databases (PostgreSQL, Oracle)

EXPERIENCE

Software Engineer Intern

Jun 2024 - Aug 2024

Vieaura LLC - Alpharetta, GA, United States

- Lead Developer for a Gen-AI Mixed Reality (AR/XR) Unity-based 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.).
- Engineered a custom API, Unity App and RAG model leveraging Neo4j Knowledge Graphs, Vector Embeddings, Indexing and Gemini 1.5 Pro LLM model with Zero upfront cost within 3 months.

Blockchain Researcher Intern

Oct 2022 - Apr 2023

Cypherock - Singapore

- Collaborated directly with CEO to drive startup growth initiatives, contributing to successful \$1 million funding.
- Conducted comprehensive security analysis of hardware crypto wallets, developing and implementing strategic vulnerability mitigation solutions.
- Developed high-impact technical content strategy, boosting page visits by 460% and user engagement by 2000%

MITACS Globalink Research Intern (GRI'22)

May 2022 - Aug 2022

University of Victoria - British Columbia, Canada

- Engineered a novel blockchain scalability framework achieving an average of 40% improvement in throughput.
- Conducted global outreach to survey needs of 10+ blockchain startup CEOs worldwide through 1-on-1 meetings.
- Delivered technical presentations at premier Canadian networking labs to 50+ industry researchers and CEOs

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 RL for 5G Network Slicing. ([link](#))
2. Modeling Distributed and Configurable Hierarchical Blockchains for Large-Scale Internet of Things ([link](#))
3. Applying SDN-based Ambient Int. Techniques for Cognitive and Emotional Awareness in IoT. ([link](#))