

Jansher Azmat

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EDUCATION

Georgia Institute of Technology | Bachelor of Science in Computer Science

Expected May 2026

- *First-Year Study Abroad Program* at Oxford University for Fall semester

Choate Rosemary Hall | Preparatory Boarding School

Sept. 2018 - June 2022

- *Deans' List for Students Who Excel in All Subjects* (4x)
- *Carl C. Icahn Scholar & AP Scholar*

Selected Honors Coursework:

- Computer Science | App Development | Machine Learning | Calculus AB | Linear Algebra
Multivariable Calculus | Applied Differential Equations | Seminars in Modern Mathematics
- *Processor Design & Transport Theory* — Completed two independent studies on computer architecture and optimization

Activities:

- *Model United Nations Delegate* — Competed at BU, Cornell, Harvard, Yale, and the North American Invitational conferences; Awarded Diplomatic Commendation at Harvard in the U.N. Commission for Social Development
- *President of Muslim Students Association* — Spearheaded initiatives to provide prayer spaces, halal meals, and volunteer opportunities for two-dozen students and faculty members; Representative at Student Diversity Leadership Conference (2x) and Ivy League Muslims Conference at Yale; Facilitator for Choate Diversity Day

The Coding School | Quantum Computing Program, IBM Quantum Scholarship

Oct. 2020 - May 2021

- Established a foundation of linear algebra, quantum mechanics, and Python programming concepts
- Studied fundamentals of quantum information, computation, and algorithms using Qiskit and IBM Quantum Experience
- Challenged leading researchers on the ethics & feasibility of quantum computing as an invited student-representative

EXTRACURRICULARS

Choate Programming Union and Computer Hardware Club | *Competition Team*

2019 - 2022

- Collaborated with peers to teach various software skills, technologies, and best practices through weekly seminars
- Captured key flags in forensics, web exploitation, binary exploitation, cryptography, and reversing challenges at Lockheed Martin CYBERQUEST and picoCTF cybersecurity competitions

Quantum Untangled | *Publication Writer* | quantumuntangled.org

2020 - Present

- Adopted a managerial role over two-dozen like-minded writers to promote quantum computing amongst teenagers as a promising disruptive technology and the next major ethical debate topic

PROJECTS

Development of Two-Player Tower of Hanoi Variation with Cyclic Behaviour (LaTeX) | overleaf.com/read/jnhrtskykdmq

- Conducted independent research on an open problem in combinatorial game theory

Remask (Swift) | Work in Progress

- Developed watchOS application to recognize movement patterns and ping location-based reminders to wear a mask

Platformer (Java) | floobits.com/echapman2022/Platformer

- Implemented sprites, physics, and advanced lighting to co-create a fully functional Terraria-style platform game

Guide to Browser-based Machine Learning (HTML, CSS, ml5.js/p5.js) | codepen.io/janshera/pen/ExVXgBX

- Designed static website for classmates with resources on gradient descent and other basic machine learning projects using Kaggle and Quick Draw datasets, complete with demos hosted on GitHub Pages

SKILLS & LANGUAGES

Java | Python | Swift | Qiskit | TensorFlow | PyTorch | Apache Cordova | Google Colab | LaTeX | Urdu/Hindi | Latin