

# Allen George Ajith

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## Education

**Courant Institute of Mathematical Sciences, New York University** 2024 - 2026  
MS in Computer Science | Ongoing

**Cochin University of Science and Technology, India** 2019 - 2023  
B.Tech.in Computer Science and Engineering | Graduated - First Class with Distinction **GPA: 9.24/10**  
Relevant Courses: Machine Learning, Calculus and Linear Algebra II, Database Management Systems, Object Oriented Programming, Operating Systems, Algorithms and Data Structures.  
Activities and Societies: Model United Nations Society (MUNSoc), Google Developer Students Club (GDSC), ACES (Association of Computer Engineering Students)

## Experience

**Hitachi Solutions India Pvt. Ltd.** Jun. 2022 - Dec. 2022

*AI Intern* Python, Azure, Git, FedML

- Worked with the AI team on Federated Learning.
- Implemented Cross Silo and Cross Device models for analysis and contributed to work on optimization of Secure Multiparty Computation Protocols

**TotalEnergies, Abu-Dhabi** Nov. 2020 - Dec. 2020

*IT Intern* Linux, MS Excel, Windows Active Directory, HTML, SQL

- Part of the IT Support Team, assisted in Server Backup & Maintenance, Project Pre-planning and Data Collection.

## Publications

**Exploratory Analysis of Link Prediction and Sampling of Social Networks** Jul. 2023

*Co-Author and Presenter*

- Presented at The International Conference on Green Energy, Computing and Intelligent Technology (Gen-CITy 2023)

## Projects

**Blockchain E-Tender System** Dec. 2022 - Mar. 2023

*Blockchain based E-Tender system using Zero Knowledge Proofs* Solidity, Circom, Javascript

- Designed and built a Sealed Bid Tender system deployed on Polygon Network with an interactive UI as part of final year major project, achieving secure verification of Bids by implementing Zero Knowledge (ZKP) circuits in Circom.

**Speech2Emotion** Jan. 2022 - Apr. 2022

*Emotions Classifier using CNN* Python, HTML, Flask, TensorFlow

- Built an Emotion classifier that uses real-time audio data to classify the mood of the speaker with 11% improved prediction accuracy compared to VGG-16 architecture.

## Leadership and Volunteering

**Google Developer Students Club, CUSAT** May. 2021 - Jul. 2022

*Content Team Lead*

- Guided a community of 200+ CS students in their professional development, technical skills and interest in tech with major responsibilities involving technical content creation, mentorship and organizing Tech talks, Hackathons and Workshops

# Skills

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## Programming Languages and Technologies:

- C++, Python, PyTorch, Tensorflow,
- Web Development (HTML, CSS, PHP, ReactJS)
- Blockchain/Web3 (Solidity)
- Cloud Platforms (GCP, Azure)

## Certifications/Badges:

- Google Cloud Skills (Data Engineering, DevOps, Machine Learning)
- Toastmaster's International Competent Communicator, Competent Leader

## Honours and Awards

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3rd Place @ ETHOnline '21 Hackathon, Special mention, Crisis Committee @ CUSATMUN '19, Honorable Mention, DISEC @ MECMUN '19