

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

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

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