

Shravan Cheekati

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EDUCATION

Georgia Institute of Technology

Atlanta, GA

Bachelor of Science in Computer Science

Expected Dec 2023

Concentrations: Artificial Intelligence & Info Internetworks

GPA: 3.7

Course Concepts: • Data Structures & Algorithms • Software Objects & design • Web & App development

Database systems • Advanced Algorithm Analysis • Network systems • Artificial Intelligence • Probability & Statistics

EXPERIENCE

Software Engineer Intern

April – Aug. 2022

Snapbrillia

Atlanta, GA

- Developed proposal funding by classifying votes using quadratic cost-weighting algorithms under the **Blockchain** team.
- Resolved **65 sensitive transaction risks** by scripting an escrow smart contract that locks the UTXO, the key that contains transaction details and cryptocurrency, until approved by project proposer to release authorized funds.
- Debugged on-chain execution of 36+ smart contracts by ensuring validation using **Plutus-Haskell** & **Cardano CLI**.
- Filtered impactful Cardano Fund9 proposals by assessing 17 projects with feasible, auditable, and re-usable metrics.

Data Structures & Algorithms Teaching Assistant

May – July 2022

Georgia Institute of Technology

Atlanta, GA

- Educated 220 students on concepts such as lists, sets, maps, graphs, sorting, and dynamic programming algorithms
- Increased online section's average grade performance by **9%** by holding 3 hrs of office hours, providing constructive feedback on 250+ programming assignments in **Java**, and instructing 1 recitation weekly as a supplement to lecture.

Undergraduate Research Assistant

Aug. – Dec. 2021

Kennesaw State University (KSU)

Marietta, GA

- Researched remapping virtual node functions and entanglement routing with **quantum networks to assist 5G**.
- Improved network latency and speed by 35% by reviewing research on optimization algorithms in weekly meetings.
- Automated node failure recovery of quantum optimization problems by using machine learning for node rerouting.

EXTRACURRICULAR

EcoCar | *Connected & Autonomous Vehicles (CAVs) Team*

Aug. 2022 – Present

- Working under the CAVs team to sense objects and improve image recognition using Radar, Lidar, and MobilEye.
- Researching and developing object detection algorithms to reduce camera detection issues among diverse people.
- Decreased camera's **error rate in detection by 15%** by introducing an object classification variable using **C++**.

Tower Defense | *Group-Project based game for Software Objects & Design*

Jan. – May 2022

- Developed a full-stack android game by contributing **6890 lines of code** using **Kotlin** and **MVVM** architecture.
- Directed 5 group members by keeping independent progress management and using GitHub for version control.
- Practiced Iterative and agile development of phases with a total of 6 milestones while utilizing SCRUM framework.

KSU Google Developer Student Club | *Computer Science Ambassador*

Aug. – Dec. 2021

- Increased club membership rate by 4+ students monthly by co-hosting workshops discussing Google dev. resources.
- Managed over 45 members who wanted to dive into CS course pathways and undergraduate research opportunities.

TECHNICAL SKILLS

Programming: Java, Python, C/C++, Plutus-Haskell, Kotlin, MySQL, C#

Software: Cardano CLI, GitHub/Git, Blockchain, AWS, Android Studio, MS Azure, JetBrains, Raspberry Pi 4, Linux

Languages: English – native, Telugu – native, Hindi – basic, Spanish – learning

CERTIFICATIONS & AWARDS

Certifications: AWS Certified Cloud Practitioner, Plutus and Atala Prism Pioneer, Mentor Collective trained mentor

Awards: GT Dean's List Spring 2022; KSU President's list (4.0 GPA) Fall 2020, Spring, Summer, and Fall 2021;

KSU Hackathon VISA Cybersecurity winner (Spring 2021), Microsoft Deep Learning 4th place (Fall 2021).