

Srisankaet Cheemalamarri

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Education

Georgia Institute of Technology | Atlanta, GA

Aug 2021 – May 2025

B.S. in Computer Science, *Faculty Honors, Dean's List*

GPA 4.00

With a semester of *Study Abroad* at Georgia Tech Lorraine | Metz, France

Work Experience

Cloud Solutions & Enablement Intern | Ansys

Aug 2023 – Present

- Worked in Agile Team on RESTful API development in Python and Rust
- Developed benchmarking script to run in CI/CD pipeline as an automated GitHub Action

Lead Machine Learning Intern | Runway

May 2023 – Aug 2023

- Spearheaded the development of a Natural Language Processing Algorithm for parsing candidate resumes
- Incorporated a pipeline into a pre-existing spaCy model, to parse skills from the resumes
- Enhanced the algorithm through leveraging OpenAI API calls
- Implemented backend route using AWS Lambda, Python Flask to run the algorithm in the DynamoDB database

Research Assistant | iFAN Lab (Cybersecurity and AI)

May 2023 – Aug 2023

- Worked with Dr. Fan Zhang in investigating the cybersecurity vulnerabilities as well as defense strategies of Generative AI in an Autonomous ML-based Nuclear Power Plant.

Teaching Assistant | Computer Organization and Programming (CS 2110)

Aug 2022 – May 2023

- Managed class of 835 students; Taught lab section of 56 students. Leveraged strong foundation in core hardware concepts: C and Assembly, and interpersonal skills to guide students

Projects

Movie Recommendation System | Machine Learning | Python, Scikit

May 2023 – Aug 2023

- Implemented Unsupervised and Supervised Learning models from scratch
- Performed data preprocessing, feature engineering, and selection in a real-world dataset (25+ million data points)
- Utilized various evaluation metrics to assess quality of Machine Learning Models
- Performed Dimensionality Reduction, Clustering, KNN, SVD regression, Decision Trees, Random Forests

Morse Talk | Swift, CoreML, Apple Vision

Aug 2022 – May 2023

- Published an iOS App on the App Store for learning Morse Code converting hand poses to morse
- Utilized Machine Learning (CoreML) and Computer Vision (Apple Vision) to track hand poses
- Led a team of 9 developers leveraging Swift and Swift UI to create an innovative and interactive UI experience

Rubik's Cube Solving Algorithm | Graph Theory | Java

April 2022 – Aug 2022

- Implemented a modification of Dijkstra's shortest path graph algorithm to model the Rubik's cube

Frogger | Java, Android Studio

Jan 2023 – May 2023

- Collaborated with an Agile team of 5 people for development and testing (JUnit4) of a robust application
- Built Domain Model, Use Case Diagram, User Stories, System Sequence Diagram (SSD), Design Class Diagram (DCD), Sequence Diagram (SD), performed SOLID, GRASP Analysis

Organizations

Senior Developer | GT iOS Club | Swift

Aug 2022 - Present

- Mentored new Swift developers interested in publishing iOS applications
- Organized and led meetings for a team of 30 developers using GitHub for collaboration

Georgia Tech Solar Racing | Python

Jan 2022 – Dec 2022

- As a Key Member of the Strategy Team, developed a strategy using Python, which simulated the optimal way to manage the car's scarce resources and dealt with race conditions such as elevation and drag forces
- Processed JSON files, utilized Python Libraries (NumPy, SciPy and Pandas)

Skills

Programming: Python, Java, C, JavaScript, Assembly, Swift, SQL, HTML, CSS

Libraries/framework: MERN Stack (MongoDB, Express, React, Node), React Native, SwiftUI, Flask

Technologies: GitHub, Git, JUnit Testing, pytest, REST API, Microsoft Excel, PowerPoint, Word, Google Suite

CS Coursework: Introduction to Artificial Intelligence, Design and Analysis of Algorithms, Machine Learning, Intro to Databases, Computer Networking, Object Oriented Programming (OOP), Systems and Networks

Languages: English (fluent), Swedish (fluent), Tamil (conversational), Russian (conversational)