# Ananda Badari

Legal Name: Ananda Theertha Badari **Expected Graduation**: Spring 2023 **Phone**: (404) 528-9292 Email: ananda.t.badari@gmail.com GitHub: /abadari3 LinkedIn: /in/anandabadari

Education

### Georgia Institute of Technology

E[Graduation] • M.S. Computer Science (Machine Learning) Spring 2023 • B.S. Computer Science Spring 2022 • B.S. Mathematics Spring 2022

GPA: 3.7

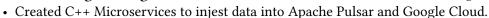
**Work Experience** 

### **Belvedere Trading**

Summer 2022

### **Software Engineering Intern**

Trading Data Fabric



- Developed C++ Modules and implemented Unit Tests, gRPC and Splunk Logging.
- Formal training in Python, C++, C, and Financial Derivatives (Options, Futures).



**F5** Summer 2021

#### **Software Engineering Intern**

Office of the CTO - Security

- On Project Carbon: an identity based ML approach for modern application security.
- Developed Machine Learning models based on Deep Learning for Anomaly Detection.
- Won First Place in the annual InnovateF5 Project Fair, chosen for further investment.
- Developed REST API microservice in Go, Docker, Kubernetes, and Google Cloud.



## Georgia Institute of Technology

Spring 2020 — Present

### **Graduate Teaching Assistant**

- TA for CS 4510 Automata and Complexity, managing 200 students, weekly office hours.
- Previously been a TA for Multivariable Calculus, Differential Equations, Linear Algebra.

### **Personal Projects**

### **Breast Tumor Classification on Histopathologic Slides**

- Breast Tumor Classification on PatchCamelyon histopathologic whole slide images.
- Ensemble Stacking Generalization on ResNet50, G-CNN, Steerable-CNN, and DSF-CNN.

### Weather and Climate Prediction using Machine Learning

Fall 2022

- Meteorological and Climatological Forecasting over next month with Deep Learning.
- Implemented ResNet-19 and 5-layer Artifical Neural Network on WeatherBench dataset.

### Acasi Capture The Flag Learning Platform

- Headed Team Lead for open source project which hosts interactive CTF projects.
- Utilized Cloudflare, Terraform, Helm for deployment, React, Typescript for UI.

### Speed Detection from DashCam Video

Fall 2020

- Utilized Computer Vision to determine the speed of a car from dashcam training data.
- Solved the comma.ai programming challenge by comparing a variety of techniques.
- Used SIFT, Object Detection, Homography, Dense Optical Map, NVIDIA-CNN.

#### **Short Term Stock Market Prediction**

Fall 2020

- Predicting the next week's stock market prices, using a neural network SVR-MLP model.
- Learned Numpy, SciKit-Learn, Keras, Financial Technical Indicators, Machine Learning.

#### Research

#### Overview of Bitcoin and Ethereum White-Papers and Forks Spring 2021

- Compared technical aspects of Ethereum and Bitcoin protocols and their forks.
- Explored Solidity and eWASM programming for Ethereum smart contracts.

### **Technologies**

Know Well: TensorFlow, Python, C++, Go, OpenCV, Linux, Google Cloud Platform Familiar: Keras, PyTorch, SQL, GraphQL, Docker, Kubernetes, gRPC, Firebase, AWS