Ananda Badari

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Website: anandabadari.com
Location: Johns Creek, GA

Education

Georgia Institute of Technology Atlanta, GA *GPA: 3.84*
B.S. Mathematics Fall 2018 – Spring 2022[1]
– 4580 Linear Programming, 4150 Number Theory, 4022 Graph Theory
– 4032 Combinatorial Analysis, 7018 Probabalistic Combinatorics[2]

B.S. Computer Science Fall 2018 – Fall 2021[1]
– 4641 Machine Learning, 4476 Computer Vision, 3600 Intro to AI
– 4803 Blockchain and Cryptocurrencies[2], 3251 Computer Networking 1[2]

Research experience

Intelligent Platform for Crowdsourcing Spring 2019 – Fall 2020
Mentors: Prof. Elizabeth Whitaker, Prof. Carl Cox, Prof. Rick Thomas
Used cognitive reasoning modules to detect projection, anchoring, and confirmation bias in data, and K-Means to analyze and visualize data.
Leadership: Intelligent Modules Sub-Team Lead, then Project Lead.

Directed Reading Program Spring 2020
Researched Spectral Graph Theory, and Linear Algebra Methods in Combinatorics and Graph Theory from graduate-level texts.

Teaching experience

Undergraduate Teaching Assistant *Overall Effectiveness 4.3 / 5*
MATH 2550: Multivariable Calculus Fall 2020
MATH 2552: Differential Equations Present

Skills

Programming
Proficient in: Python, Java, SQL, OpenCV, NumPy, SciKit Learn
Familiar with: C++, GraphQL, TensorFlow, PyTorch, Keras,
Technologies: Visual Studio Code, GitHub, Shopify, Flask, Mathematica

Projects

Shopify Inventory Manager Sept. 2019 – Present
Python, managed products, scraped data from websites, CSV export, and update inventory by connecting to Google Sheets. Learned BeautifulSoup, REST APIs, GraphQL, requests using Python, and SQL. Led to more than $5000 in additional revenue (worked with Brite-Creations, Atlanta).

Speed Detection from DashCam Video Fall 2020
Used Computer Vision techniques to determine the speed of a car given training data. Attempting the comma.ai programming challenge. Learned SIFT, Lane Detection, Homography, Dense Optical Map, NVIDIA-CNN. View: www.anandabadari.com/projects/dashcam.

Deep Learning Stock Market Predictions Fall 2020
Predicting the next week's stock market prices, using a variety of technical indicators and a neural network SVR-MLP model. Learned SVR's, MLPs, Deep Learning, Bokeh, Cross Validation, SciKit-Learn, Keras. View: www.anandabadari.com/projects/stock.

Other interests

Club Math, CS for Social Good, Data Science at GT, Sanskrit, Music, Stocks, Options

[1] Expected Graduation Date
[2] Taking Currently