# JAYASAI L. SOMASUNDARAM

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## EDUCATION

**Georgia Institute of Technology- BS in Computer Science (3rd Year)/MS in Finance**     Atlanta, GA
**GPA:** 3.53/4.00 **SAT:** 1570/1600     May 2025

## SKILLS

**Languages:** Python, Java, JavaScript, C, MATLAB
**Tools/Other:** React, Node, Git, Amazon Web Services, Docker, Tensorflow, Torch, Keras
**Certifications:** CMT Level I (Chartered Market Technician), AWS (Amazon Web Services) Certified Cloud Practioner

## EXPERIENCE

**SalesStrike Incorporated (Start Up)**     Atlanta, GA
*Founder and CEO*     Jan 2022 - Present
- Founded this company and came up with the idea of allowing the securitization of commodity products
- Designed and deployed a full-stack application through **AWS** to allow users and business to profit
- Utilized several existing APIs to allow our platform to interact with Amazon, ShipBob and other platforms

**Shyne Consulting (Start Up)**     NY/NJ
*Chief Technology Officer*     July 2022 - Present
- Founded the technology side of small business consulting with 5+ clients in less than a month

**OIT (Office of Information Technology) Networking Team Georgia Tech**     Atlanta, GA
*Networking Assistant*     Sep 2022 - Present
- Taught students the basics of day-trading as well as organized events to spread awareness about financial literacy
- Formed a trade plan and process for allowing students to suggest trades and utilize organization trading capital

**PINS Institute of Georgia Tech**     Atlanta, GA
*Web Developer and Manager*     Aug 2021 – Aug 2022
- Organized structure of dated website using systematic hierarchy that optimized speed and user experience
- Delivered an update plan that explained how to manage the website in a manner that solved design issues
- Aided all four departments of PINs in generating their own webpages to bring users to their part of the platform

**Options and Equities Day Trader**     Atlanta, GA
*NYSE*     April 2019 - Present
- Day trading the market open for the past three years and optimizing discretionary volatility-based strategies
- Led the discretionary sector of the GT Trading Organization and built the basis in the organization's first year

## PROJECTS

**Super and Unsupervised Learning to Optimize Long Term Stock Selection**     Atlanta, GA
*Machine Learning @ GT*     Sep 2021 – May 2022
- Designed an overall project flow that allowed the use of clustering in feature selection for linear regression
- Compared TSNE, K-Means and other forms of feature reduction and clustering for overall performance
- Utilized linear regression, non-linear regression and random forest modeling to predict long term trend
- Collected data and analyzed performance with the help of Root Mean Squared Error and different norms

**AWS Alpha to Beta Migration**     Atlanta, GA
*SalesStrike Platform Migration and Solutions Design*     Jun 2022 – Aug 2022
- Converting the initial alpha prototype that was designed on AWS into a deployable stack
- Migrating the Amplify App to a proper platform designed in React, Python, Go which used other AWS services
- Structuring the back and front end to act in a manner which allowed continuous updates and a stable deployment

## ACHIEVEMENTS

**Dean's List** – Georgia Institute of Technology     May 2022
**Top 10 at I2P Pitch Competition -** Georgia Institute of Technology     Feb 2022
**National Merit Commended Scholar (PSAT)**     May 2021
**Eagle Scout** - *Boy Scouts of America*     Apr 2021
**NSDA Public Forum Debate** - *Top 50 Teams Nationally*     May 2020