

# SRI HARI SIVASHANMUGAM

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## EDUCATION

ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, IL

Expected Dec 2023

### Masters in Data Science

Relevant Courses: Data preparation and Analysis (CSP 571), Advanced Database Organization (CS 525), Applied Statistics.

Extracurricular: 4sight/metric lead in Intinium (Student Organization), TechNews writer (college newspaper).

AMRITA VISHWA VIDYAPEETHAM, COIMBATORE, INDIA

May 2017 - May 2021

### Bachelor of Technology

Relevant Courses: Machine Learning, Neural Network & Deep Learning, Database Organization, Python, Object-oriented programming using Java.

Major: Computer Science and Engineering.

Graduated with Distinction (highest honor). GPA: 8.9/10.

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## WORK EXPERIENCE

*Junior Machine Learning Engineer*

Aug 2021 - Present

### OMDNA

New York, NY

- Collaborated with 58 data scientists across countries to expand cardiac arrest prediction to pulseless electrical activity.
- Cataloged exploratory data analysis: visualization and documentation for project in form of videos, infographics, and 2 project reports.

*Data Science Intern*

Jan 2021 - Jul 2021

### CATERPILLAR INC.

Chennai, India

- Executed Marketing to Sales Attribution; improved sales per marketing campaign leveraging statistical methods by 8%.
- Analyzed ready-to-buy model, improved second purchase for 50000 single purchase customers utilizing innovative solutions.
- Evaluated important features reducing it from 90+ features to 40+ features for existing customer purchase model.
- Designed an optimized web page for the Customer Experience division, which will be operated daily by over 45000+ people.

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## SKILLS

Data Science Skills: Feature Engineering, Data Visualization, Machine learning, Deep learning, Hyperparameter Tuning, Attribution Modelling, Survival Analysis, SQL

Programming Languages: Python, Java, C.

Web Application Tools: React JS, Node JS, Flask, HTML, CSS, JavaScript.

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## LEADERSHIP

*Team Lead*

Nov 2019 - Feb 2020

### Integrity Preserved Multifactor Authentication Based Automated Ticketing System

Coimbatore, India

- Investigated existing work on blockchain system; overhauled on creating a Non-RFID-based secure and cost-effective transportation wallet system to be able to process over 4 million dollars.
- Managed team issues and had to report continuous proceedings to guide and convey back mentor's responses to team once every 2 weeks. Composed results into a research paper.

*Team Lead*

May 2017 - May 2018

### Enhancing Security Of One Time Passwords In Online Banking Systems

Coimbatore, India

- Surveyed existing work on security system used at various levels; Structured findings of the study to further research on multilevel (3 levels) security used in the back end.
- Led team & compiled results to published 1 research paper in an international journal and presented work in front of an esteemed panel of judges.

*Volunteer*

Nov 2019 - Present

### Robinhood Army

Coimbatore, India

- Diagnosed food shortage issue at a city level; Initiated talks with 10+ restaurant partners.
- Strategized a plan and motivated over 40+ individuals including but not limited to college students, working professionals to collect surplus food and redistribute it to a council estate, thus helping 100+ people every weekend.

*Project Head*

May 2017 - May 2018

### Amrita Quench

Coimbatore, India

- Planned and commissioned a team to estimate unutilized rainwater. Developed a project plan over course of 2 weeks.
- Served resources division to implement the plan throughout campus, saving over 900 gallons of rainwater.