Georgia Tech Institute for Data Engineering and Science

- Data Science Foundations
- Data Driven Discovery

INSTITUTE FOR DATA ENGINEERING AND SCIENCE

SRINIVAS ALURU

CREATING THE NEXT®

GOALS AND EXPECTATIONS

Georgia Tech Institute for Data Engineering and Science

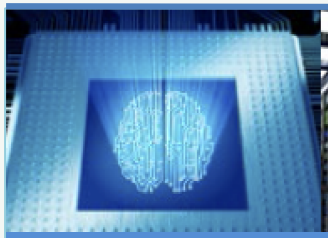
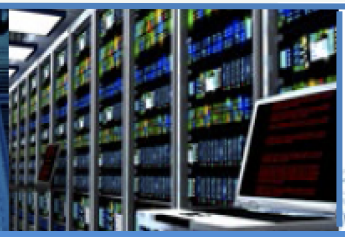
Be the central research organization and external face of GT in the area of data science and engineering

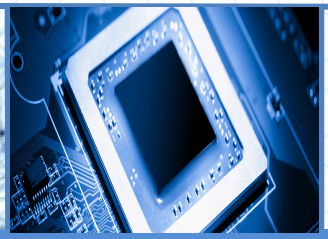
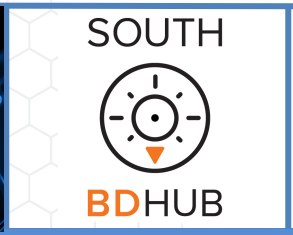
- Support GT faculty, research staff, and students in data science and engineering
- Maintain a robust portfolio of basic and applied research programs
- Support world-class research facilities and laboratories
- Engage GT students
- Collaborate with government and industry partners

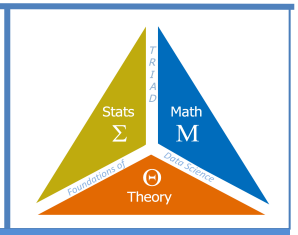
AFFILIATED CENTERS AND THRUSTS

Georgia Tech Institute for Data Engineering and Science

Affiliated Centers

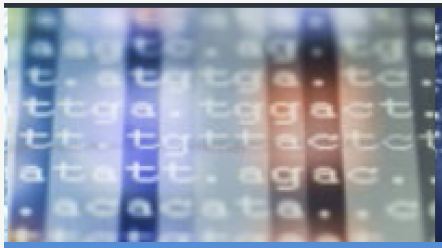
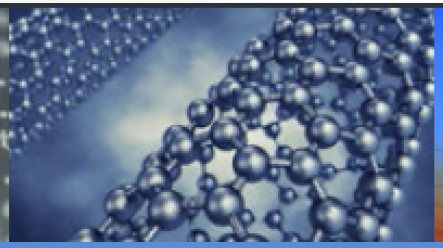





MACHINE LEARNING | HIGH PERFORMANCE COMPUTING CENTER | ALGORITHMS & RAND. CENTER | CTR FOR NOVEL HEIRARCHIES | NSF SOUTH BIG DATA HUB | NSF TRIAD INSTITUTE

Research Thrusts

HEALTH AND LIFE SCIENCES | MATERIALS & MANUFACTURING | ENERGY INFRASTRUCTURE | SMART CITIES

HIVE CLUSTER

Georgia Tech Institute for Data Engineering and Science

NSF MRI project ($5.284 million; 70% NSF + 30% GT

Dual 12-core Xeon 6226 2.7GHZ CPUs

- 432 nodes with 192GB
- 16 nodes with 4 V-100 GPUs
- 16 nodes with 7.2 TB local disk
- 16 nodes with 1.5 TB SSD
- 3 nodes with 1.5 TB RAM
- 1 node with 3 TB RAM
- EDR 100 Gb/sec Infiniband

250K set aside for ARM cluster purchase

CODA BUILDING

Georgia Tech Institute for Data Engineering and Science