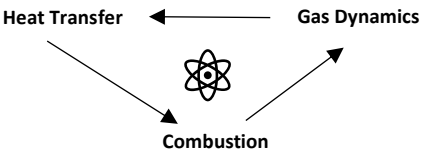
KAVYA NAVANEETHA KRISHNAN

MS, Aerospace Engineering, TSFD |University of Florida| GPA: 3.8324/4
BE, Electronics & Instrumentation |Anna University| GPA: 8.66/10
kavya.navaneetha@ufl.edu
English | Tamil | Hindi | Russian

ANSYS, Solidworks, NX CAD, GT Suite, Converge

SLAM, KNN, LSTM, GAN, SVM, Data Structures & Algo



C/C++, Fortran, Matlab, Python

Experimental Aeroacoustics, Hot & Cold Flow tests, Cryogenic Chill down tests, Vacuum tests for HAT, Cummins B series tear down and assembly

EXPERIENCE

UF

- Research Assistant, UF Cryogenics Heat Transfer Lab
  AUGUST 2019- PRESENT
- Turbopump Design Engineer, UF Liquid Propulsion Development Team
  FEBRUARY 2019- PRESENT
- Aerodynamics Engineer, UF Hyperloop Team
  AUGUST 2018- PRESENT

AU

- Research Intern, IITM
  MAY 2016 – JULY 2016
- Design Engineer, SAE BAJA
  APRIL 2016 – FEBRUARY 2017

NASA

- Design Engineer, NASA Rover Challenge 2016
  DECEMBER 2015- APRIL 2016

CUMMINS

- Engine Performance Intern
  MAY 2019- AUGUST 2019

ISRO

- Graduate Engineer, Satish Dhawan Space Center
  DECEMBER 2018- JULY 2018
- Research Intern, Satish Dhawan Space Center
  FEBRUARY 2017- JUNE 2017

PROJECTS

- Two Phase Heat Transfer Modelling For LN2 Chill Down
  AUGUST 2019 - PRESENT
- System Model Simulation For Hyperloop
  AUGUST 2018- PRESENT
- Turbopump Modelling For SCE And GG Cycles
  MAY 2019 -PRESENT
- Aerothermal Modelling Of Base Flows In Rockets
  MAY 2018-PRESENT
- Mission Design From Earth To Jupiter With Mars Flyby
  MARCH 2016
- GAN Algorithms for Computational Fluid Dynamics
  MAY 2019- PRESENT
- LSTM Algorithm for Piston Bowl and CAM Optimization
  MAY 2019- AUGUST 2019
- System Level Design Of 200kN KERLOX Engine For GG AND SCE Cycles
  FEBRUARY 2017
- Experimental Aeroacoustics Simulations & Experimentation
  DECEMBER 2017- JULY 2018
- WiFi Based Adhoc Network For Peer-To-Peer Communication During Disasters
  MAY 2016-JULY 2016

ACHIEVEMENTS & POSITIONS OF RESPONSIBILITY

- UF Navigator American Mentor
  AUGUST 2019- PRESENT
- HWCOE Academic Achievement Award
  AUGUST 2018- PRESENT
- Merit Scholarship For Academic Excellence, Anna University
  2014-2016
- TEDxSairam Guest Relations Head
  2014-2016
- UF Badminton- Yonex Eastern Collegiate Champions
  APRIL 2019
- UF Badminton- GT Championships, UCF Championships Winners
  2019-PRESENT
- AU Badminton Zonal Winners/ Runners Up
  2013-2016

RELEVANT COURSES

Transformation Techniques, Ordinary & Partial Diffrential Equations, Linear Algebra, Matrix & Set Theory, Numerical Methods

Compressible Flows, Fluid Mechanics, Combustion, Gas Dynamics, Turbomachinery, Conduction Heat Transfer, Multiphase Convection Transfer, CFD, Thermodynamics, Control Systems, Machine Learning