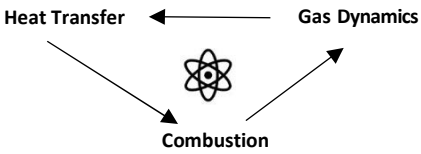
KAVYA NAVANEETHA KRISHNAN

MS, Aerospace Engineering, TSFD |University of Florida| GPA: 3.57/4
BE, Electronics & Instrumentation |Anna University| GPA: 8.66/10
kavya.navaneetha@ufl.edu |https://krishnankavya.github.io/|
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- MAY 2020

Aerodynamics Engineer, UF Hyperloop Team
AUGUST 2018- 2020

AU
Research Intern, IITM
MAY 2016 – JULY 2016

Design Engineer, SAE BAJA
APRIL 2016 – FEBRUARY

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

Quenching Front Modelling For LN2 Chill Down
AUGUST 2019 - PRESENT

System Model Simulation For Hyperloop
AUGUST 2018- 2020

Turbopump Modelling For SCE And GG Cycles
MAY 2019 -2020

Aerothermal Modelling Of Base Flows In Rockets
MAY 2018-PRESENT

Base Flow Modelling and Prediction
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

Mission Design From Earth To Jupiter With Mars Flyby
MARCH 2016

ACHIEVEMENTS & POSITIONS OF RESPONSIBILITY

UF Navigator American Mentor

AUGUST 2019- DECEMBER 2019

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 2019-2021

UF Badminton- GT Championships, UCF Championships Winners
2019-PRESENT

AU Badminton Zonal Winners/ Runners Up
2013-2016

RELEVANT COURSES

Transformation Techniques, Ordinary & Partial Differential Equations, Linear Algebra, Matrix & Set Theory, Numerical Methods, Real Analysis

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