

MrugankBhatt

ABOUT ME

I am currently working as a Research Engineer in the software development group at [Convergent Science]. I have earned a PhD in [Aerospace Engineering and Mechanics] from [University of Minnesota] under the supervision of [Prof. Krishnan Mahesh].

****My interests:**** * Computational Fluid Dynamics(CFD), multiphase flows/cavitation * Physics-based modeling and simulations of variety of engineering problems * Machine learning/Data analysis

[University of Minnesota]: <https://twin-cities.umn.edu/> [Aerospace Engineering and Mechanics]: <https://cse.umn.edu/aer>
[Prof. Krishnan Mahesh]: <https://dept.aem.umn.edu/people/faculty/kmahesh/index.html> [Convergent Science]: <https://convergecf.com/>

EDUCATION

Ph.D. Aerospace Engineering and Mechanics
University of Minnesota

GPA: 3.90/4

EXPERIENCE

Research Assistant

2014-2020

University of Minnesota, Minnesota, MN

- Developed LES capabilities to study turbulent cavitating flows in complex geometries.

PUBLICATIONS

Numerical investigation of partial cavitation regimes over a wedge using large-eddy simulation., ****Mrugank Bhatt****, Krishnan Mahesh, International Journal of Multiphase Flow, 0:377-406, 2020.

SKILLS

Grid generation tools: Gridpro, Pointwise

AWARDS & ACHIEVEMENTS

Institute Silver Medal: Best academic performance in the Department of Aerospace Engineering. IIT Kharagpur, May 2014