PRESENTER BIOGRAPHY



Rishav Mishra

Research Engineer, Western Michigan University Libraries

Rishav Mishra earned his M.S. in Aerospace Engineering from Western Michigan University, where he previously served as a Graduate Research Assistant under the supervision of Dr. Bade Shrestha. His research combined wind tunnel experiments, particle image velocimetry, computational fluid dynamics, and applied machine learning to investigate airfoil aeroacoustics and trailing edge noise. He currently works as a Research Engineer at Western Michigan University Libraries, developing a machine learning interface for text to CAD modeling, flight simulation tools, and computer vision assisted transcription workflows. Previously, he supported autonomous vehicle perception research at Revision Autonomy through image annotation, lane mapping, sensor data collection, and simulated driving scenarios in snowy conditions.

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Particle Image Velocimetry Analysis of Wake Modification in a Channel-Based NACA 0012 Airfoil