About Me

Hello, I'm an engineer with a strong focus on computational fluid dynamics (CFD), simulation, and optimization. I'm currently working on several advanced projects, including developing an automated airfoil optimization tool using Physics-Informed Neural Networks (PINNs) and genetic algorithms. I'm also building a reinforcement learning model to optimize 3D designs by running complex simulations. A large part of my work involves OpenFOAM and cfMesh, particularly for creating complex multi-block and two-part meshes for casting simulations.