NIKHIL KADAM

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EDUCATION

Bachelor of Engineering in Aeronautical Engineering   **May 2024**
Sha-Shib College of Engineering (VTU)   **Banglore**
Relevant Coursework: Aerodynamics, Flight Mechanics, Aircraft Propulsion, Aircraft Structures, Rocket and Missile Technology, High Speed Aerodynamics, Space Dynamics.
CGPA – 7.9/10

Dnyanmandir High school and Junior College   **2018 – 20**
HighSchool (11th and 12th)
Percentage – 68.40/100

Dnyanmandir High school and Junior College   **2017 - 18**
Secondary School (10th)
Percentage – 86.40/100

SKILLS

Technical Skills: Ansys, SolidWorks, XFLR-5, MATLAB, Catia, Python, Ms Office

Soft Skills: Leadership, Adaptability, Team Work, Creativity, Problem solving, Time management.

EXPERIENCE

JET AEROSPACE AVIATION RESEARCH CENTRE, KERALA   **Aug 2023 - Sept 2023**

• Utilized SolidWorks for designing and modelling aerospace components.
• Applied Xflr5 for aerodynamic analysis, performing simulations and interpreting results to optimize aircraft performance.
• **Technical skills:** CAD Software: SolidWorks. Aerodynamic Analysis Software: XFlr5.

PROJECTS

1. Nose and trailing edge Morphing effect on Airfoil.   **2023-2024**

- By considering airfoil (0012) i.e. Symmetric, performed various morphing effect on it.
- Outcome: The Aerodynamic efficiency of airfoil has increased by 96% and Stall Angle decreased by 6 as compared to reference geometry.

2. Design and development of short-range high-capacity aircraft.   **2022-2023**

- Engineered comprehensive aircraft configurations and designed 3D structural models in SolidWorks.
- Modal analysis of this model was done in Ansys.