



## NUR HUSNINA BINTI MUHAMAD ZURAIDI

Bachelor of Engineering (Aerospace) (Honours)

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A driven and self-motivated Aerospace Engineering fresh graduate with strong Mechanical Engineering background as well seek to apply for Protégé Program under CAMO Department with Galaxy Aerospace. Possess technical skills for design and data analysis using software/tools such as ANSYS Fluent, MATLAB & Simulink, Microsoft Excel and SOLIDWORKS.

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### RELEVANT EXPERIENCES

- July 2021 – Oct 2021     **Internship Trainee at MyCopter Aviation Services Sdn. Bhd., Shah Alam.**
- Conducted weighing as per AMM 08 and produced Mass and Balance Report (MBR) as per CAD for Airbus Helicopter EC120 B and P.180 Avanti Evo.
  - Established Weight and Balance Trim Sheet Substantiation for Freighter Configuration for P.180 Avanti Evo using Microsoft Excel.
  - Digitalized Aircraft Logbooks and Flight Manual for six AW 139 for end of lease at MYCAS CAMO.
  - Prepared Engineering Drawing for Installation Interior and Exterior for Aircraft Markings on Airbus 330-343 using SOLIDWORKS.

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### EDUCATION

- Jan 2018 – Feb 2022     **Bachelor of Engineering (Aerospace) (Honours), IIUM, Gombak.**  
Current CGPA: 3.56/4.00
- Jun 2016 – Dec 2017     **Foundation in Engineering & Computer Science, CFSIIUM, Gambang.**  
CGPA: 3.71/4.00
- Jan 2011 – Dec 2015     **SMK Tengku Panglima Perang Tengku Muhammad, Kuantan.**  
SPM: 3A+, 3A, 3A-

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### AWARDS, SCHOLARSHIPS & ACHIEVEMENTS

- Jan 2018 – Feb 2022     **Dean's List Award, IIUM (5 out of 8 semesters)**  
Awarded for achieving a GPA of more than 3.5.
- 2020     **Biasiswa Program Ijazah Dalam Negara, Jabatan Perkhidmatan Awam**  
Granted a scholarship from Public Service Department Malaysia to pursue my undergraduate studies.

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### EXTRA-CURRICULAR ACTIVITIES

- 2021     **Committee of Insan Sejahtera, Ta'aruf Week Sem 2, 2020/2021**
- Supervised 20+ Aerospace Engineering new intake student during online orientation session for 3 days.
- 2019     **Secretary for Mechanical Engineering Student Association (MECSA) Cup**
- Managed 3 days sports event with 50+ participants.
- 2019     **Athlete for IIUM Mustang Dragon Boat Team**
- Represented the Mix Team for Dragon Boat Regatta (National Level).
  - Represented the Mix Team for Penang International Dragon Boat Festival.
- 2018     **Main Committee for AERO Educational Trip "Pave the Way"**
- Organized a trip for 40 students to Weststar Aviation, Kuala Lumpur, and Leonardo Helicopters, Subang.
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<b>SKILLS</b>	Microsoft Office MATLAB & Simulink SOLIDWORKS System Tool Kit (STK)	C++ Programming C Programming ANSYS Fluent OriginPro 8.5
	Analytical thinking skills Data analysis Positive work ethics	Able to learn new software/tools Effective verbal and written communication

<b>LANGUAGES</b>	Malay	Native speaker	<b>English</b>	Highly proficient
	Arabic	Beginner		

<b>ADDITIONAL INFORMATION</b>	
Possess Own Transport Driving License	Yes Class D

<b>COURSES ATTENDED</b>	
2021	<b>CAAM Part 21 Introduction Course</b> <ul style="list-style-type: none"> <li>Joined 2 days training course by ELITE OPA and MYCAS DOA. The course outline contained introduction to Design Organizational Approval and Civil Aviation Direction (CAD 8410).</li> </ul>
2020	<b>General Aviation Training</b> <ul style="list-style-type: none"> <li>Involved in 1 day training course by Aitecq Engineering Sdn. Bhd. The course outline covered Airworthiness and Non-Destructive Testing (NDT).</li> </ul>
2019	<b>MATLAB Onramp Online Course</b> <ul style="list-style-type: none"> <li>Enrolled in self-paced training course by MathWorks Training Services. The course outline includes creating mathematical models with C/C++ language.</li> </ul>

<b>FINAL YEAR PROJECT</b>	
<b>Passive Control of Base Pressure at Supersonic Mach Number for Area Ratio 2.56</b>	
<ul style="list-style-type: none"> <li>Project principal focus is to study the effect of cavity towards base pressure by using Computational Fluid Dynamics (CFD) analysis.</li> <li>The project main fundamentals were from Fluid Dynamics and Aerodynamics.</li> <li>The two-dimensional model was designed using Design Modeler from ANSYS Fluent.</li> <li>The air flow at the wall pressure for the C-D nozzle with Mach 1.8 was reviewed and the base pressure data from ANSYS Fluent was gathered.</li> <li>The data were plotted and analyzed using Microsoft Excel and Origin.</li> </ul>	

<b>REFERENCES</b>	<b>Prof. Sher Afghan Khan</b> Final Year Project Supervisor, Kulliyah of Engineering, International Islamic University Malaysia, Jalan Gombak, 53100, Selangor. +60104259268 <a href="mailto:sakhan@iium.edu.my">sakhan@iium.edu.my</a>
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