

July 9, 2025

Hiring Manager  
IMP Aerospace & Defence  
100 Aerospace Boulevard  
Mississauga, ON L5T 2Y5

Dear Hiring Manager,

I am writing to apply for the Junior Aerospace Engineer position at IMP Aerospace & Defence, as advertised on Workopolis. I recently graduated from York University with a Bachelor of Engineering in Space Engineering, where I concentrated on autonomous space systems and systems engineering. Through my academic training and a summer internship at the Canadian Space Agency, I've built a solid foundation in spacecraft systems and a genuine enthusiasm for supporting ASIP and modification programs.

During my internship, I performed finite element and fatigue analyses on satellite framework using ANSYS, Autodesk Inventor and Fusion 360, and I conducted data reduction and trending for component durability. I also used Ansys STK to perform orbital simulations for satellites and simulations involving aircraft trajectories. I led a capstone project that designed and simulated a modular satellite payload's thermal and structural performance in MATLAB. I have also drafted software test scripts and user documentation for maintenance-tracking tools, ensuring traceable, high-quality deliverables. These experiences taught me to collaborate effectively in multidisciplinary teams and to communicate technical results clearly, both orally and in writing.

I am eager to bring my analytical rigor, safety-first mindset, and quick-learning attitude to IMP's CP140 Aurora and CH149 Cormorant ASIP initiatives. My hands-on experience with D/DTA methods, combined with my commitment to continuous improvement and eligibility for PSPC and Transport Canada security clearances, makes me well-suited to contribute from day one. Thank you for considering my application. I look forward to the opportunity to discuss how my background and drive can support your structural integrity and aircraft modification projects.

Sincerely,

Yathharthha Kaushal  
1 Milky Way Drive,  
Toronto, ON M7K W4Y  
(236) 332-4252  
yathharthha@yk.org