WPI

Devesh Datwani
Merrick Street
Worcester, MA 01609
☎ *978-809-5026*
✉ *dbdatwani@wpi.edu*

Respected Hiring Manager,

My name is Devesh Datwani and I am a robotics engineering graduate student at the Worcester Polytechnic Institute, MA, USA.

This is to express my interest for a full time opportunity starting Summer of '23 for the listed position and to articulate my skill set in robotics to support my claim of being a great fit for the said role.

My robotics journey began in high school some 10 years ago when I started designing and building semi autonomous fixed wing aircraft powered by gas and electric motors to satiation my passion for aviation.

My tryst with robotics has involved working at labs such as the Propulsion Lab at the Aerospace Department of IIT Bombay, Human Inspired Robotics Lab, Popovic Labs at WPI and with Worcester Fire Department.

I believe my experience in probabilistic estimation, classical approaches for SLAM through ICP, scan-matching, particle filtering, structure from motion and deep learning techniques for multi-scale object detection and instance segmentation make me a great fit.

The most important ability apart from my technical skills is my affinity to discuss and work in teams to solve challenging problems which is to say I like to work in teams as a team player. Nevertheless, I have managed to lead research projects in the past and the recent past as well.

Through this letter, I would like to highlight my latest experience where I worked with the Worcester Fire Department to build a fire safety solution. My stint involved building a scalable mobile robot using lidars for mapping indoor environments through scan matching and particle filter to evaluate safety in the event of a fire situation. I believe this experience exhibits my ability to engage with stakeholders, identify problem statements, think critically and build a solution with my skill set in the robotics domain.

With this I submit to your fine sense of judgement to take a decision on my application.

Sincerely,

Devesh Datwani