

# AKANSHU MAHAJAN

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With great willingness, I would like to apply for a permanent position in your esteemed organization. As per the organization's area of work, I firmly believe that my education, skill-set and prior experience makes me a suitable candidate for a job position.

I am currently pursuing my master's of science in systems, control and robotics from KTH Royal Institute of Technology, Stockholm. At KTH, I have taken up courses like Modelling of Dynamical Systems, Image Analysis and Computer Vision, Project course in Robotics and Autonomous systems etc. which are sync with my research interests and have helped me gain an in depth knowledge about the field.

As an individual who is interested in continuous professional development, I have constantly involved myself in doing automotive, edge computing, machine learning, robotics and IoT based projects during my education and professional experience. This has helped me develop a certain level of professional competency required for the implementation of these projects, with further scope of improvement.

During my professional employment at iGlobe software solutions as a Data Scientist, I worked primarily in the automotive/ connected car domain and demonstrated a strong problem-solving skill set and the ability to work in high-pressure and challenging environment of a start-up. My responsibilities varied through data analysis, **component failure prediction such as brakes** using virtual testing on the iotaSmart platform, **prognostics for automobiles using raw data received from OBD-II devices** (cars, buses, trucks etc.), **RUL prediction of batteries of an EV**, developed novel **driver behaviour algorithm**, machine learning based web services development etc. Moreover, I also represented the company at various client meetings in order to propose new projects and discuss about the progress of the ongoing projects.

With more than two years of full time experience, I believe that I have the required skill set in order to be a part of your research group and do my best in order to add value to it.

I have knowledge of the industry standard frameworks such as Git, MATLAB etc., and tools/libraries used in the relevant areas. Further, I have preliminary practical experience in building enterprise versions of end products which use the above mentioned tools/ libraries.

I am also a hands-on person having experience in modelling and development of embedded circuits. Furthermore, I have gained extensive exposure, during my graduation, of participating in student teams and understand the importance of being a good team player.

Given an opportunity, I would love to show my enthusiasm, passion and interest through an interview and hence justify my application for the corresponding RA position.

I look forward to hearing from you.

Sincerely,

Akanshu Mahajan