INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY DELHI

(A State University established by Govt. of NCT of Delhi)

Date: 30 Apr. 2022

Engineer Advertisement: Robotics, Path Planning & Controls / Computer Vision & Deep Learning / 3D Computer Vision

Applications are invited for the position of Research Engineers for project ALIVE (Autonomous Last mile Vehicle) at IIIT-Delhi. Candidates having exceptional programming skills and a knack for hands-on implementation of algorithms for **path planning & controls** and/or **visual SLAM**, **computer vision** and **deep learning** are invited to apply. Experience in handling hardware with robotics / vehicular platforms is a big plus.

Post (4 positions)	Research Engineer (Planning & Control / Perception / Localization)
Monthly remunerations	**up to Rs. 50,000** (all inclusive; **negotiable** for exceptional candidates)
What we need Essential qualifications and experience	- Bachelor's or Master's degree in Computer Science or equivalent - Industry experience of 1-2 years will be highly desirable - Exceptional programming skills in Python **and** C++ - Comfortable with Ubuntu / Linux - Comfortable with Git and ROS - Experience with one or more of the following o Planning Libraries like OMPL o Visual / LIDAR based SLAM o OpenCV, PyTorch / Tensorflow, Open3D o Sensor cross-calibration o Integration of sensing, compute and network hardware with vehicular / robotics platform
What we offer	- Competitive Salaries - SoTA off-vehicle compute facilities (multiple A100-40GB or better) - SoTA sensing and on-vehicle compute (cameras, 3D LIDARs and AGX Xavier) - 2 Vehicular platforms with drive-by-wire (Mahindra e2o & e-Rickshaw) - Simulation platforms & compute (CARLA on RTX 3090) - Outdoor testbed at IIITD (set up in process) - An energetic technical team of 7 faculty members, 4 experienced research engineers (~2 years on ALIVE), tens of students and interns.
Duration	Until March 31, 2023 (extensions possible)
Last date for application submission	**08 May, 2022** Position will be filled as soon as a suitable candidate is found.

The ideal candidate would be someone who has a relevant background, ideally with 1-2 years of industry experience, and is passionate about research and development work in autonomous mobility. This would be a good opportunity for recent graduates in the industry who are looking for research experience before returning to academia for higher studies. Energetic individuals with entrepreneurial aspirations are also welcome!

To apply, fill the following Google form: https://forms.gle/U4WGfaQhGgLMde7v9