

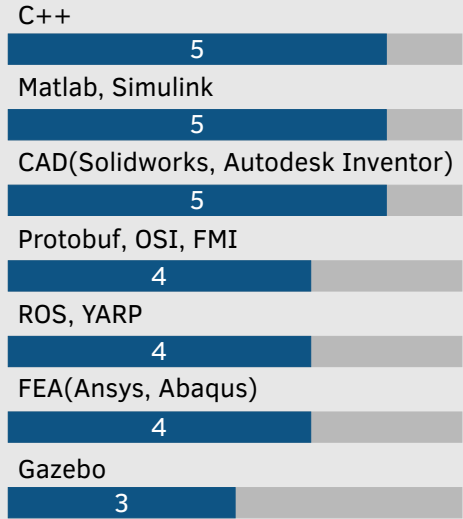


Vibhor Aggarwal

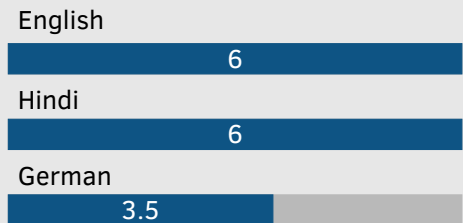
Master's Student, Automotive Engineering
RWTH Aachen

- 24 February, 1996 (24 Years)
- Brückenstraße 23, Stuttgart
Germany
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Skills*



Languages*



*Scale 1:Beginner to 6:Proficient

Projects' Photos & Videos —



Summary

Automotive engineer with experience in cutting edge research on robot and vehicle dynamics. Interested to work in the field of Advanced Driver Assistance Systems, Automated Driving, and Electro-mobility.

Education

- M.Sc, Automotive Engineering* Sep 2018-Present#
RWTH Aachen, Germany
- B.Tech, Major: Mechanical Engineering* July 2013-June 2017
Minor: Applied Mathematics
Indian Institute of Technology Kanpur (IIT), India

Achievement and Awards

- Best Under-Graduate project in Mechanical Engineering: IIT Kanpur 2017
- Ranjan Kumar Memorial Award for best socially relevant project: IIT Kanpur 2017
- Ranked 3rd in state and 914th nationally among 1.4 million students in JEE 2013
- Gold Medal in National Mathematics Olympiad: AISMTA 2013

Experience

- ADAS simulation Engineer* Germany June 2020-Present#
ETAS GmbH, Stuttgart
 - Logging OSI messages using FMI, in COSYM, a co-simulation software
 - Generating FMU models, using C++ Protobuf library for ADAS SiL simulation
- Student research assistant* Germany May 2019-Mar 2020
Institute of Automatic Control, RWTH Aachen
 - Created a C++ framework using inter-process-communication via UDP
 - Data acquisition and time synchronisation among IMU and GNSS sensors
- Research Fellow for humanoid robotics* Italy Nov 2017-Aug 2018
Italian Institute of Technology, Genova
 - Implemented low level torque control framework for Humanoid robot, iCub
 - Identified transfer function between Voltage and iCub's joints' torque
- Graduate Engineer Trainee* India July 2017-Oct 2017
Hero Motocorp Ltd, Haridwar
 - Managed TPM for machine quality, process inspection and resource planning
- Mechanical Design Engineer* India May 2016-July 2016
Grey Orange Robotics Pvt. Ltd, Gurugram
 - Designed suspension system of a material handling Automated Guided Vehicle

Projects

- Robotic Exoskeleton Arm* Aug 2016-April 2017
Guide: Dr. Sumit Basu, IIT Kanpur
 - Provided improved mobility to people in old age and Cerebral Palsy patients
- Off-road Vehicles* Dec 2013-Jan 2016
Guide: Dr. Avinash Kumar Agarwal, IIT Kanpur
 - Created/optimised mathematical models for multi link suspension systems

Additional Information

- Led the Motorsports team at IIT Kanpur, with more than 25 members.
- Interested in Cycling, Kung fu, Salsa, Abstract expressionism, Philosophy

Last updated: October 20, 2020