

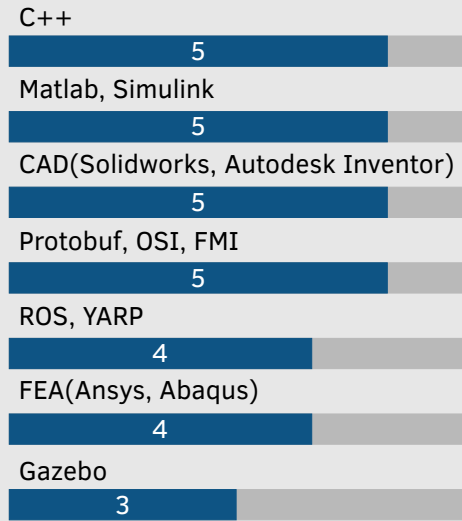


Vibhor Aggarwal

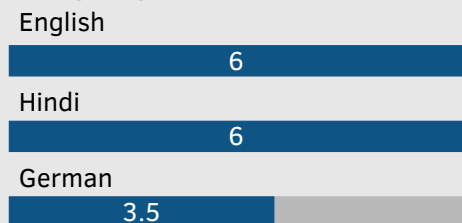
Master's Student, Automotive Engineering
RWTH Aachen

- 24 February, 1996 (24 Years)
- Brückenstraße 23, Stuttgart
Germany
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- vibhor.aggarwal@rwth-aachen.de

Skills*

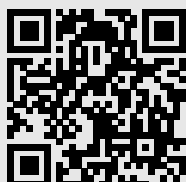


Languages*



*Scale 1:Beginner to 6:Proficient

Projects' Photos & Videos —



Summary

Automotive engineer experienced with robot and vehicle dynamics, and advanced driver-assistance systems. Interested in working on automated driving concepts.

Education

M.Sc, Automotive Engineering Sep 2018-Present#
 Thesis: Topic: "New standards in Verification and Validation setups for automotive applications" 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

Master thesis student Germany Nov 2020-Present#
 ETAS GmbH, Stuttgart

- Topic: New standards in Verification and Validation setups for automotive applications

ADAS simulation Engineer Germany June 2020-Oct 2020
 ETAS GmbH, Stuttgart

- Logging and tracing OSI messages using Google's protocol buffers library in COSYM, a co-simulation software

Student research assistant Germany May 2019-Mar 2020
 Institute of Automatic Control, RWTH Aachen

- Sensor fusion, DAQ 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

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: November 11, 2020