

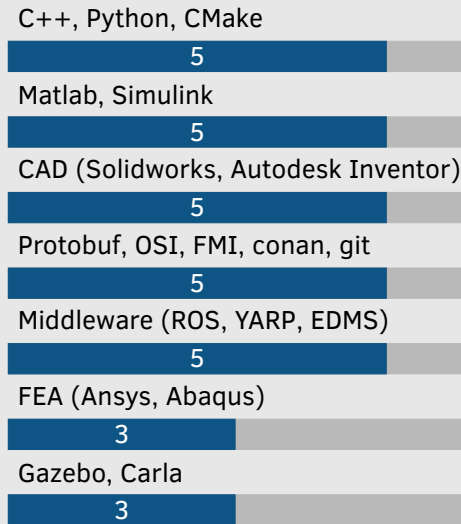


# Vibhor Aggarwal

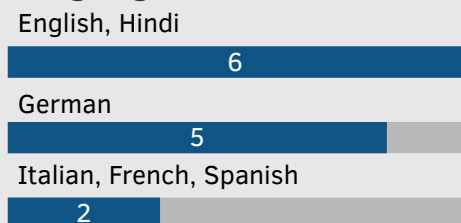
Software dev. and simulation engineer-  
Automated driving

- 24 February, 1996 (29<sup>#</sup> Years)
- Stuttgart, Germany
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## Skills\*



## Languages\*



\*Scale 1:Beginner to 6:Proficient

Projects' Photos & Videos –



## Summary

Automotive engineer experienced with robotics/ADAS sys., middleware and apps

## Education

- RWTH Aachen, Germany  
*M.Sc, Automotive Engineering* 2021
- Indian Institute of Technology Kanpur (IIT), India  
*B.Tech, Major: Mechanical Engineering* 2017  
*Minor: Applied Mathematics*

## 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

- ETAS GmbH, Stuttgart Germany  
*Software engineer and Scrum master* Oct'22-Present<sup>#</sup>
- Developed and delivered middleware and SDK for high-performance, safety-critical ADAS/AD applications
  - Collaborated with customers across Asia and Europe to initiate projects and integrate our middleware software into their technology stack
- Simulation engineer for automated driving* May'21-Oct'22
- Model based simulation for public funded project for AD, SET Level
- ADAS simulation engineer intern/master thesis* Jun'20-May'21
- New standards in V&V setups for automotive applications
- Institute of Automatic Control, RWTH Aachen Germany  
*Student research assistant* May'19-Mar'20
- Sensor fusion, DAQ and time synchronisation among IMU and GNSS sensors
- Italian Institute of Technology, Genova Italy  
*Research Fellow for humanoid robotics* Nov'17-Aug'18
- Implemented low level torque control framework for Humanoid robot, iCub
- Hero Motocorp Ltd, Haridwar India  
*Graduate Engineer Trainee* Jul'17-Oct'17
- Managed TPM for machine quality, process inspection and resource planning
- Grey Orange Robotics Pvt. Ltd, Gurugram India  
*Mechanical design engineer intern* May'16-Jul'16
- Designed suspension system of a material handling Automated Guided Vehicle

## Projects

- Robotic Exoskeleton Arm, IIT Kanpur* Aug'16-Apr'17
- Provided improved mobility to people in old age and Cerebral Palsy patients
- Off-road Vehicles, IIT Kanpur* Dec'13-Jan'16
- 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 Kung fu, Tango, Cycling, Running, Abstract expr., Philosophy

<sup>#</sup> Last updated: March 4, 2025