



Vibhor Aggarwal

Software dev. and simulation engineer-
Automated driving

24 February, 1996 (28# Years)

Stuttgart, Germany

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Skills*

C++, Python

5

Matlab, Simulink

5

CAD (Solidworks, Autodesk Inventor)

5

Protobuf, OSI, FMI, conan, git

5

Middleware (ROS, YARP, EDMS)

5

FEA(Ansys, Abaqus)

3

Gazebo, Carla

3

Languages*

English, Hindi

6

German

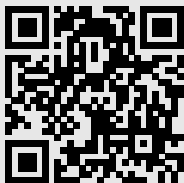
5

Italian, French, Spanish

2

*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

Software developer and Scrum master

Germany

Oct'22-Present#

• Developing customer demonstrator applications for ADAS middleware system

• Setting CI pipelines to deliver middleware software to customers

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

Student research assistant

Germany

May'19-Mar'20

• Sensor fusion, DAQ and time synchronisation among IMU and GNSS sensors

Italian Institute of Technology, Genova

Research Fellow for humanoid robotics

Italy

Nov'17-Aug'18

• Implemented low level torque control framework for Humanoid robot, iCub

Hero Motocorp Ltd, Haridwar

Graduate Engineer Trainee

India

Jul'17-Oct'17

• Managed TPM for machine quality, process inspection and resource planning

Grey Orange Robotics Pvt. Ltd, Gurugram

Mechanical design engineer intern

India

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
- # Last updated: May 3, 2024