

Rohan Tiwari



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📍 Ingolstadt, Germany 🇮🇳 Indian 📅 06/10/1994

Education

Master's Degree: Computational Material Science,
Technical University Bergakademie Freiberg, Germany 🔗

10/2017 – 07/2020 | Freiberg, Germany

- Master Thesis: Designing and Simulating the Controlled All-Wheel-Drive-Car on the basis of Different Driving Maneuvers and Car Data (Grade: 9.5/10.0)

- Overall Grade: 7.3/10.0

Bachelor's Degree: Mechanical Engineering,
SRM Institute of Science and Technology 🔗

07/2013 – 05/2017 | Chennai, India

- Bachelor Thesis: Time Efficiency Calculation of element stiffness in explicit form for a brick element with an application of FGM

- Overall Grade: 8.6/10.0

Professional Experience

umlauT Part of Accenture,
Infotainment Test and Validation Engineer 🔗

10/2022 – present | Ingolstadt, Germany

- Working on Audi Smartphone Interface Projects
- Testing & Validation of the Infotainment System

Just-In-Time-Food, Programmer 🔗

08/2020 – 09/2022 | Freiberg, Germany

- Native Application Developer
- Developed application on the Flutter framework with the Dart language

AKKA Technologies, Internship & Master Thesis 🔗

05/2019 – 03/2020 | Stuttgart, Germany

- Multi-Body Dynamic Simulation
- Vehicle Dynamics with ADAMS-CAR
- Control Systems with Matlab Simulink

Institute of Material Science, TUBAF, Programmer 🔗

2018 – 2019 | Freiberg, Germany

- Programming with Matlab
- Research Assistant

Racetech Racing Team, Formula Student Germany 🔗

2017 – 2019 | Freiberg, Germany

- Participated in Formula Student East, Formula Student Austria and Formula Student Spain in 2018
- Worked on Vehicle Designing, Simulation & Construction of Frame

SRM Autonomous Underwater Vehicle, Student Robotics Team 🔗

2013 – 2017 | Chennai, India

- Designing, Manufacturing & Testing of Robot
- Participated in RoboSub 2017, which took place in San Diego, USA

Jagdish Metal Works, Mechanical Engineer

05/2017 – 09/2017 | Bhopal, India

- Production & Quality Control

Projects

Full Stack Data Science Bootcamp with Python, iNeuron 🔗

- Programming with Python
- Statistical Operations
- Machine Learning Algorithms
- Exploratory Data Analysis
- API Testing
- Review Scraper Project
- Deployment on Heroku, AWS and Azure

Personal Programming Project, TU Bergakademie Freiberg

- Parameter Identification for a Non-Linear 1D Hardening Model (Python)
- High-Performance Computing (C/C++)
- Nonlinear Finite Element Method (Matlab)
- Radiation Damage (Python)

Automotive Research, Designing and Development,
Industrial training at the DAUTO CAD School 🔗

Worked on the live projects with:

- AutoCAD
- CATIA
- Solid Works

Industrial Training

- Bharat Heavy Electricals Limited (Manufacturing of Water Turbines)
- GEI Industrial Systems (Manufacturing of Air-Cooled Heat Exchangers)
- TAFE Motors and Tractors (Visual Management)
- Surya-Dev Alloys and Power India (Production and Quality Control)

Skills

IT-Skills (Python, MATLAB, Dart, Flutter, JavaScript, C++, C)

Databases & Libraries (SQL, MongoDB, Pandas, Numpy)

Simulation-Skills (Simulink, Hyper Mesh, ANSYS, Star CCM+)

CAD & MKS-Skills (Adams Car, Solid Works, CATIA, AutoCAD)

Languages

Hindi (Mother Tongue), **English** (Fluent), **German** (Conversational)

Awards

Scholarships & Grants, Sächsische Aufbaubank-Förderbank Grant
2021

Scholarships & Grants, EXIST Business Startup Grant
2020

Organizations

Blooming Beacon, Head of Event Management 🔗

2013 – 2017 | Chennai, India

- Non-Governmental Organisation

Interests

Bike Riding and taking Pictures of the Natural World and Architecture are some of my other interests. I also enjoy Vlogging on YouTube about my Travels in Asia and Europe. Cooking Indian Food for friends and family is another pastime of mine.