Harish Govind Joshi
Riesenfeldstraße 59 | 80809 Munich | joshi.harish91@gmail.com | 017668460808

Curriculum Vitae

PERSONAL DATA

Date/Place of Birth: 11.02.1993 in Ranavav, India
Nationality: Indian
Marital Status: Married

PROFESSIONAL EXPERIENCE & PROJECTS

10.2021 – Present **L & T Technology Services, Munich, Germany**

Engineer as Data Manager for BMW (ES-540) ECUs

- Handling data for Gen 5 projects (CCUs, TEE, HVS/BMU) and Gen3-4 projects (LE125, LEB450) in Creta
- Integrating ECUs software in Creta via CI/CD Jenkins pipeline
- Mixing calibration data in Creta to build PDX for the software
- Documenting datasets and project component content processes
- Validation and delivery of software (PDX) for level releases
- Creation of variant comparisons for different SOP software deliveries

(Tools: Creta, CalibSDV, Jenkins, Esys, Jira, SVN, Confluence)

08.2019 – 02.2020 **Hofer Powertrain GmbH, Garching near Munich, Germany**

Master Thesis: Synchronization of Electro-Generative and Mechanical brakes in motor Vehicles

- Developed a regenerative braking mechanism, an algorithm, and an electronic circuit for electric motorcycles
- Created a strategy for serial regenerative braking (SRBS) based on battery state of charge (SOC) and temperature
- Developed a Matlab/Simulink-based model for a regenerative braking system algorithm

(Tools: Matlab/Simulink, Arduino, Autodesk)

02.2019 - 07.2019 **Hofer Powertrain GmbH, Garching near Munich, Deutschland**

Project: Feasibility study for building a 48V electric drive with lithium-ion battery cells for electric motorcycles

- Selection of suitable electric motors based on functionality and efficiency
- Comparison of various battery cell models (18650 and 21700) using criteria such as cell capacity, charge/discharge current, price, and weight
- Proposed specifications for a charger for lithium-ion batteries (Level 1 charging from household sockets)

Harish Govind Joshi
Riesenfeldstraße 59 | 80809 Munich | joshi.harish91@gmail.com | 017668460808

01.2018 - 04.2018 **Rhine-Waal University of Applied Sciences, Kleve, Germany**

Analysis and Comparison of Caterpillar D7E and John Deere 850 J drivetrains with a focus on powertrain efficiency

- Analysis of hydrostatic and serial hybrid powertrains traction
- Calculation of gear ratios and efficiencies of both powertrains

EDUCATION

09.2015 - 02.2020 **Rhine-Waal University of Applied Sciences, Kleve, Germany**

Master of Science (M.Sc.) in Mechanical Engineering

Focus: Simulation of Power Transmission Systems, System Identification and Optimal Control and Software Development

08.2010 - 01.2015 **L. J. Institute of Engineering and Technology, Ahmedabad, India**

Bachelor of Engineering (B.E.) in Mechanical Engineering

Focus: Control Systems, Fluid Mechanics and Vehicle Dynamics

FURTHER TRAINING

03.2020 - 05.2020 **Deutsch Akademie, Munich**

Grammar Course (A2 to B2) & Conversation Course

06.2020 - 07.2020 **Udemy Online Courses**

Siemens S7-1200 PLC and Introduction to CAN (Controller Area Network)

ADDITIONAL SKILLS AND KNOWLEDGE

Software and Programming Languages

MS-Office	(Very good knowledge)	Arduino	(Good knowledge)
Creta	(Very good knowledge)	TwinCAT/PLC	(Good knowledge)
CalibSDV	(Very good knowledge)	Siemens S7	(Good knowledge)
Jenkins	(Good knowledge)	LabVIEW	(Good knowledge)
Matlab/Simulink	(Good knowledge)	SWE Generator	(Good knowledge)
Python	(Good knowledge)	Esys	(Good knowledge)
C/C++	(Good knowledge)	Git	(Basic knowledge)

Languages

German	(Fluent)
English	(Business Fluent)
Gujarati	(Mother Tongue)
Hindi	(Business Fluent)

Munich, 23.08.2025

Joshi H. G.