Contact

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mishra-300894 (LinkedIn)
vishal-mishra-autoengine-
r256d27.gamma.site/ (Portfolio)

Top Skills

Artificial Intelligence (AI)

Machine Learning

Convolutional Neural Networks
(CNN)

Languages

Kannada (Professional Working)

English (Full Professional)

Marwari (Full Professional)

German (Limited Working)

Bengali (Professional Working)

Hindi (Native or Bilingual)

Certifications

Machine Learning: Hands on with
Python

German A2 language certification

Vishal Mishra

Diagnostics and Cyber Security | Adaptive Autosar | Classic Autosar
| Autosar trainer
Munich, Bavaria, Germany

Summary

Diagnostics and Cyber security engineer at Daimler Trucks AG with
extreme focus on making today's vehicle secure using state of the
art technologies.

Deep knowledge on Autosar (classic and adaptive) to go with
embedded software development experience using C/C++ for
various hardware families (OSEK and Linux).

Hands on experience with model based software development
environment using Vector and EB tools.

Worked as an trainer to provide cutting edge knowledge on adaptive
Autosar to industry professionals.

Self learning with A.I covered to round it up .

Experience

Daimler Truck AG
Diagnostics and Cyber Security Architect
January 2022 - Present (3 years 9 months)
Stuttgart, Baden-Württemberg, Germany

Elektrobit (EB)
1 year 9 months

Software Engineer A
April 2021 - January 2022 (10 months)
Erlangen, Bavaria, Germany

Adaptive autosar trainer
May 2020 - December 2021 (1 year 8 months)
Erlangen

Software Engineer B
May 2020 - March 2021 (11 months)
Erlangen, Bavaria

VECTOR Informatik
Master Thesis
October 2019 - March 2020 (6 months)
Regensburg Area, Germany

• Developed automotive software modules to calculate the net torque generated by the rear wheels of a vehicle and to control the mechanism of the spoiler for a high-speed vehicle using Matlab/TargetLink.
• Responsible from software requirement analyzation (V model methodology) until the testing phase for both the developed modules and simulating them over CAN bus.
•Implemented the complete system using CAN bus communication protocol using CANoe and vTESTstudio framework.

Ravensburg-Weingarten University of Applied Sciences
Graduate Research Assistant
October 2018 - August 2019 (11 months)
Weingarten, Baden-Württemberg, Germany

• Developed the software component for the weather forecasting system of the University.
• The software component would receive continuous raw data from a solar panel and transfers them to the Lora feather board viaRS485 converters.
• The component would process the raw data to calculate parameters like Total energy generated by the panel per day, Total energy generated by the panel per week, Total amount of carbon dioxide generated per day.
• These parameters would again be transmitted wirelessly to another Lora feather board and be displayed on a UI built on QT running on a Raspberry Pi.

Bosch Engineering and Business Solutions
Associate Software Engineer
September 2016 - July 2018 (1 year 11 months)
Bengaluru, Karnataka, India

• Worked for a Kitchen Assistant product on the system side which includes software development for independent modules and carrying out the system testing.
• Developed front end UI applications based on different technologies like Qt and TouchGFX for Arm-based processors.

• Built a Data Persistency Module using C++ Boost Libraries for ARM and x86 architecture.
• Experience of working on Linux Platform for 2 years for ARM-based micro-controllers and x86 processors.
• Experience on testing tools like Scons, gcov, lcov, gmock and GDB debugger.
• Experience on version control software like SVN, GIT under agile methodology with tools like JIRA, Bit Bucket.

Education

Ravensburg-Weingarten University of Applied Sciences
Master of Engineering - MEng, Electrical Engineering and Embedded Systems · (2018 - 2020)

Dayananda Sagar Institutions
Bachelor of Engineering (B.E.), Electrical and Electronics Engineering · (2012 - 2016)