

Contact

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Top Skills

AI Leadership
AI for Leadership
Jenkins

Languages

Hindi (Full Professional)
German (Elementary)
English (Native or Bilingual)
Bengali (Native or Bilingual)

Certifications

Generative AI for Everyone
Mastering RTOS: Hands on FreeRTOS and STM32Fx with Debugging
AI Leadership Track: Gen AI, Agentic AI for Business Leaders
Modern Bare Metal Embedded C++ Programming
telc Deutsch B1 Zertifikat

Debasish Mukherjee

Team Lead | Software Developer at Bosch eBike Systems
Stuttgart, Baden-Württemberg, Germany

Summary

- Embedded Software developer lead with 5+ years building Bosch Ebike system software, with the last 2 years driving BikeOs platform software development.
- Proven record in platform/middleware design, software development leadership, and cross-functional collaboration.
- Expert at aligning technology with product strategy while mentoring teams and delivering scalable, future-ready solutions.
- Background spans cybersecurity (ARM TrustZone, blockchain PoCs), IoT firmware, and (briefly)automotive platforms, building a strong foundation for system-level innovation.
- Experienced in driving innovation, stakeholder alignment, and decision-making at the intersection of engineering and business.

Experience

Bosch

6 years 7 months

Team Lead : Ebike OS(platform)
January 2023 - Present (3 years 2 months)
Kusterdingen, Baden-Württemberg, Germany

Product Software Developer(Embedded SW)
January 2022 - Present (4 years 2 months)
Baden-Württemberg, Germany

Engineer Cyber Security for Embedded Systems
August 2019 - January 2022 (2 years 6 months)
Reutlingen Area, Germany

nFuse GmbH
Engineer(student)
March 2019 - July 2019 (5 months)

- Firmware development for IoT LoRaWAN concentrators.
- NFC based bootloader development for concentrators.

University of Stuttgart
Master Thesis
December 2018 - July 2019 (8 months)
Stuttgart Area, Germany

The aim of my thesis is to conceptualize, design and develop a context-aware system that assists in medication adherence of old people which can be classified as a Daily Life Activity if we consider chronic conditions like blood pressure medication.

The crux of the system lies in developing a multi-agent, intelligent system that utilizes multiple sensor data to monitor the subject's adherence pattern, assist him/her in adhering and developing a quantitative report on the effectiveness of the medication, keeping the caregiver agent in the loop, all the while.

Magneti Marelli
Werkstudent(Student Employee)
April 2017 - February 2019 (1 year 11 months)
Stuttgart Area, Germany

Autosar basic software development for instrument clusters.
Flash scripting.
Static analysis using Polyspace toolkit.

Find Local GmbH
Werkstudent
February 2017 - March 2017 (2 months)
Stuttgart Area, Germany

Siemens
3 years 4 months
Senior System Engineer
May 2014 - August 2016 (2 years 4 months)

Industrial Automation device implementation in software

System Engineer
May 2013 - May 2014 (1 year 1 month)

Education

University of Stuttgart

Master's Degree, INFOTECH : Embedded Systems · (2016 - 2019)

Biju Pattnaik University of Technology

Bachelor's Degree, Electrical and Electronics Engineering · (2008 - 2012)

Stewart School,Bhubaneshwar,Orissa

+2, Science · (2006 - 2008)

Stewart School

ICSE, 10th grade · (2005 - 2006)