

Abhirup Sain

Nationality: Indian **Date of birth:** 15/03/1997 **Phone number:** (+49) 17675471557

Email address: abhirupsain@gmail.com

LinkedIn: <https://www.linkedin.com/in/abhirup-sain-57185254/>

Home: Hoyerswerdaer Str. 10, 01099 Dresden (Germany)

ABOUT ME

With over five years of experience in the Powertrain Domain at BOSCH, a performance-driven engineering specialist with a strong interest in electronics driven by a passion to comprehend circuits and logic, I am currently obtaining a Master's Degree in Nanoelectronic Systems at TU Dresden.

WORK EXPERIENCE

Senior Engineer

BOSCH India [19/08/2019 – 11/09/2024]

City: BENGALURU | Country: India

- Successfully Integrated Requirements and Ensured AUTOSAR compliance for BMW MEDC17 and MDG1 projects using ASW and BSW components.
- Developed and optimized Functional Modules using MATLAB Simulink. Introduced Dynamic Link Library creation for Customer Testing.
- Extensive functional testing was successfully executed, resulting in an impressive 20% reduction in failure cases, through the proficient utilization of INCA and UDE, and the harnessing of capabilities provided by the dSPACE and LABCAR platforms.
- Led a high-performing team to conduct ASPICE spot checks at the Department level, resulting in consistently high-quality deliverables to OEM.
- Lead Automation Team and achieved 12% annual productivity.

Senior Engineer

BOSCH Austria [31/07/2022 – 28/10/2022]

City: Wien | Country: Austria

- Successfully released the implementation of Software in Loop (SIL) build toolchains and automated the delivery process to OEM, leading to a 30% increase in productivity.
- Engineered and optimized a streamlined flow system to generate containers for Series Electronic Control Units, resulting in an impressive 50% reduction in manual intervention.
- Demonstrated exceptional technical prowess and problem-solving abilities, contributing to increased efficiency and productivity in the development process.

EDUCATION AND TRAINING

Master's In Nanoelectronic Systems

TU Dresden [01/10/2024 – Current]

City: Dresden | Country: Germany | Website: <https://tu-dresden.de/>

Bachelor of Technology

Kalinga Institute of Industrial Technology [01/07/2015 – 01/04/2019]

City: Bhubaneswar | Country: India | Website: <https://kiit.ac.in/> | Field(s) of study: Electronics and Telecommunications Engineering | Final grade: 1.6

Intern

PriceWaterHouseCoopers [07/05/2018 – 29/06/2018]

City: Kolkata | Country: India | Website: <https://www.pwc.in/>

Created cutting-edge hybrid applications for Fortune 500 clients using IONIC Framework, incorporating Angular, HTML and CSS technologies.

Volunteer

AIESEC [25/05/2016 – 23/06/2016]

City: Johor Bahru | Country: Malaysia | Website: <https://aiesec.org/>

- AIESEC is an International Organization that provides young people with leadership development and cross-cultural global Internship opportunities.
- Responsible for website development using HTML, CSS for an NGO.

PROJECTS

[01/08/2018 – 30/08/2018]

Soldier Assistance System The Soldier Assistance System is a comprehensive platform designed to provide support and assistance to soldiers in various operational environments.

- Developed a cutting-edge system for real-time location data exchange during emergencies, resulting in a 40% reduction in emergency.
- Utilized GSM module to enable seamless communication, facilitating rapid response and prioritizing safety protocols.

DIGITAL SKILLS

programming: Python, MATLAB and SQL / Unit Testing (xUnit) / Functional Programming Fundamentals / Git, Git Hub, SVN / CI&CD / Embedded C language / ECU flash tool / TPT (Time Partition Testing) / Universal Debug Engine (UDE) / ESYS, INCA

LANGUAGE SKILLS

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2

SPOKEN INTERACTION C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

HOBBIES AND INTERESTS

Travelling

Photography