ANJAN CHATTERJEE

M.Sc. Student

Lüttfeld 15A, 32657, Lemgo, Germany

anjan.chatterjee@st.ovgu.de   **+4915213898638**   **https://anjan211.github.io**

PROFESSIONAL SUMMARY

- Technology enthusiast with an urge for data and AI.
- Adaptive in an international team with an independent and structured way of working, having good communication, problem solving and quick learning ability with careful attention to detail.

WORK EXPERIENCE

Feb 2022 – present

WERKSTUDENT PRODUCT MANAGEMENT

TÜV SÜD, Munich, Germany

- Collaborating with the team in agile methodology to manage the various aspects of an internal software product in the area of machinery safety compliance.
- Developing and supporting the Test Report Form creation from international safety standards.
- Supporting clients to gain better insight from safety related data using PowerBI.

Nov 2018 – May 2019

IOT PROJECT DEVELOPER

TenPi Technologies, Kolkata, India

- Experienced with strong leadership skills in managing a group of 4 interns for the development of working prototype of Internet of Things (IoT) product.
- Successfully performed independent research within a startup environment to deliver the most cost-effective solution.

PROJECTS

Nov 2020 – March 2022

ROBOT CONTROLLER ANALYSIS - OvGU, Magdeburg

- Worked on KUKA KR3 industrial robot to validate the accuracy of a generic RCS module on the virtual robot simulation environment, with the actual KRC4 controller. The project included designing and performing experiments, collecting data of the kinematic parameters, do data analysis, compare and study the changes for both the real and simulation environment.
- **Technical expertise:** MATLAB, Python (NumPy, Pandas, Matplotlib)

April 2021 – July 2021

ANDROID APPLICATION DEVELOPMENT - OvGU, Magdeburg

- Experienced in software engineering principles with agile architecture and collaborative teamwork in developing an Android application that allows user to monitor their income and expenses according to the user's preset budget. Developed new features, maintained the cloud database and managed the team.
- **Technical expertise:** Android Studio, Firebase, Java, Git

April 2020 – July 2020	**SIMULATION MODEL DEVELOPMENT -** OvGU, Magdeburg

- Excellent teamwork and planning demonstrated by the successful optimization and improving the safety of a busy traffic node in the city of Magdeburg. Tasks included the collection of raw data, data preprocessing, developing the simulation model, validation of the model and data analysis of the output.
- **Technical expertise:** Anylogic, Java, Python (NumPy, Pandas, Matplotlib), Git

Jan 2018 – May 2018	**IOT AUTOMATION SYSTEM DEVELOPMENT -** MAKAUT, Kolkata

- Demonstrated project management and organizational skill in planning and developing an Internet of Things (IoT) based home automation system with live control and monitoring features using cloud APIs. The project resulted in a research paper that talks about the integration of Artificial Intelligence and Blockchain in the field of IoT.
- **Technical expertise:** NodeMCU, Arduino, C, MQTT, IFTTT

EDUCATION

Oct 2019 – Present	**MASTER OF SCIENCE IN DIGITAL ENGINEERING, COMPUTER SCIENCE**

Otto-von-Guericke Universität, Magdeburg, Germany

- **Thesis (Ongoing in collab with TÜV SÜD):** Towards development of a knowledge model for industrial risk assessments.

July 2014 – June 2018	**BACHELOR OF TECHNOLOGY IN ELECTRICAL ENGINEERING**

Maulana Abul Kalam Azad University of Technology, Kolkata, India

- **Thesis:** Application of IoT automation in different engineering fields.

SKILLS

Languages	**English**	Fluent, C1 (IELTS: 8 band)
	Bengali, Hindi	Native
	German	Basic

Technical	**MATLAB, Simulink**
	Python, C
	Arduino, NodeMCU
	Git
	SQL
	MS Office, PowerBI
	Machine Learning (Tensorflow)
	Docker
	Windows, Linux

INTERESTS

Public Speaking	**Reading novels**
Video games	**Cooking**