

# ANJAN CHATTERJEE

M.Sc. Student  
Magdeburg, Germany



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## PROFESSIONAL SUMMARY

- Forward-thinking technology enthusiast enrolled in an interdisciplinary master program with a focus on solving traditional engineering problems using a digital, data-driven IT approach.
- Excellent team player with an affinity for tinkering in a technical environment, having good communication, problem solving and analysis skills with careful attention to detail.
- Self-motivated quick learner seeking a working student or internship position in the field of Artificial Intelligence and Robotics to work with new technologies and learn more about the future of the automotive industry.

## PROJECTS

**Nov 2020 – present**

### ROBOT CONTROLLER ANALYSIS - OvGU, Magdeburg

- Working 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 includes 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 methodology and collaborative teamwork to develop an Android application that allows user to monitor their income and expenses according to the user's preset budget. Was responsible for developing new features and managing the team.
- **Technical expertise:** Android Studio, Firebase, Java, GitLab

**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

## WORK EXPERIENCE

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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 a working prototype of an Internet of Things (IoT) based dustbin.
- Successfully performed Independent research within a startup environment to deliver the most cost-effective solution.
- Diagnosed and solved problems related to the electronic circuit of the company's product to meet the customer's needs.

## EDUCATION

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Oct 2019 – Present

### MASTER OF SCIENCE IN DIGITAL ENGINEERING, COMPUTER SCIENCE

Otto-von-Guericke Universität, Magdeburg, Germany

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

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### Languages

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

### Technical

MATLAB, Simulink  
Python (NumPy, Pandas, Matplotlib, OpenCV)  
Git  
SQL  
Machine Learning  
Tensorflow  
Docker  
Windows, Linux

## INTERESTS

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Public Speaking  
Video games

Reading novels  
Cooking