Anjan **Chatterjee**

M.Sc. Student

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🌐 https://anjan211.github.io

Date and place of birth: 02.11.1995, India
Sex: Male I Nationality: Indian

M.Sc. student in Digital Engineering with Electrical Engineering background. Experienced in programming and soldering components. Worked as an IoT project developer and have interest in that field. Self learner and team minded with good presentation skills.

Education

October 2019 - Present

Master of Science in Digital Engineering

Otto-von-Guericke Universität, Magdeburg, Germany
Focus: Simulation, Automation.
Grade: **2.7** (till date)

July 2014 - June 2018

Bachelor of Technology in Electrical Engineering

Maulana Abul Kalam Azad University of Technology, India
Focus: Power system, Control system, Smart systems.
Award: Best personality of 2017
Thesis: Application of IoT automation in different engineering fields
Grade: **8.95/10** (German equivalent: **1.63**)

March 2014

Indian School Certificate (12th standard)

Julien Day School, India
Awards: Inter school championship for elocution (public speech) and drama
Grade: **85%**

March 2012

Indian Certificate of Secondary Education (10th standard)

Julien Day School, India
Grade: **90.2%**

Work Experience

November 2018 - May 2019

Project Developer

TenPi Technologies, Kolkata, India

- Lead a team for the development of IoT based dustbin for smart city project.

- Involved in the development of circuit for receiving various sensor data of the smart dustbin and sending live feed to the server running MQTT broker using Wi-Fi and GPRS.

- Was also involved in circuit maintenance of company's products which involved removing damaged components and soldering new ones in the PCB.

Internship

February 2017

Abroad internship

Asian Institute of Technology, Thailand

- Was selected among the top 2% of our university for a fully funded study trip abroad.
- Was introduced to new research fields of IoT, smart systems and renewables.
- Was awarded for teamwork.
- Hosted the cultural event and represented college on an international level.

December 2016	**Factory internship**

Gun and Shell Factory, Cossipore, India.
- Undergone practical training at the electrical maintainance department.
- Gained insight on the functioning of distribution substation and smart metering.

Skills

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Languages	Bengali | Hindi	Native, C2
	English	Fluent, C1 (**IELTS : 8 band**)
	German	Basic

Technical	Programming Languages: C, Java, Python, MATLAB - (Intermediate)
	Simulation: Anylogic (Advanced)
	MCU's: Arduino, NodeMCU - (Intermediate)
	Industrial Automation: Siemens, Wago, NanoNavigator - (Basic)
	Office Utilities: MS Word, MS Power-point, MS Excel, MS Outlook - (Advanced)
	Operating System: Windows, Kali Linux - (Intermediate)
	Others: CMS, WordPress, SEO, Social Media Campaigns - (Advanced)

Projects

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Summer 2020	Team project for: Stadtplanungsamt Magdeburg
	Supervised by: Dr.-Ing. Claudia Krull, Lehrstuhl für Simulation
	Optimizing traffic at Am Fuchsberg/ Leipziger Str./ Erich-Weinert Str. to improve safety.
	Was responsible for planning the project and validation of the simulation model.

Summer 2018	Developed an **IoT based automation system** which can be controlled via Google and Facebook Chatbot. The project consists of three modules: Domestic appliance switching, DC motor control and live feed of sensor data using Wi-Fi.

Winter 2017	Developed a **gesture controlled robot** whose motion can be controlled by movement of hand.

Summer 2017	Developed the cheapest module of a **line following robot** without using any microcontroller.

Freelance projects	Designed static and dynamic business websites including e-commerce, blogs and portfolios for clients. Freelance projects also include static Android app development and SEO. Also, have experience in video and photo editing as per client requirement.

Publication	Paper titled **"Artificial Intelligence based IoT Automation: Controlling devices using Google and Facebook."** Journal: International Research Journal of Engineering and Technology (IRJET), Volume 5, Issue 4, April 2018 edition, monthly international journal, pages 1437-1442.

Interests

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Personal	Acting, anchoring, cricket, cycling, elocution, playing video games, reading novels, travelling.

Professional	- Have organised and anchored college cultural events.
	- Frequently attends workshops/seminars and networking events.
	- Have been a regular participant of Hackathons and Technical Symposiums.
	- Takes up Massive Open Online Courses (MOOC's) occasionally to enhance self-learning.
	- Currently taking up online classes to learn German.

Anjan Chatterjee, Magdeburg, 30.06.2020