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. Interested in Industry 4.0 fields like Simulation, Factory automation and IoT. Worked as an IoT project developer. Self learner and team minded with good presentation skills.

Education

Oct 2019 - Present	**Master of Science in Digital Engineering, Informatics**
	Otto-von-Guericke Universität, Magdeburg, Germany
	Grade: **2.6/5.0** (till date)
July 2014 - June 2018	**Bachelor of Technology in Electrical Engineering**
	Maulana Abul Kalam Azad University of Technology, India
	Award: Best personality of 2017
	Thesis: Application of IoT automation in different engineering fields
	Grade: **8.95/10** (German equivalent: **1.63/5.0**)

Work Experience

Nov 2018 - May 2019

Project Developer

TenPi Technologies, Kolkata, India

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

- 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.

Skills

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

Technical

Programming Languages: C, Java, Python, MATLAB

Database: MySQL, Firebase

Simulation: Anylogic

MCU's: Arduino, NodeMCU

Industrial Automation: IEC61131-3 Structured Text, KRL

Office Utilities: Microsoft Office Tools, Google Workspace

Operating System: Windows, Kali Linux

Tools: Git, Android Studio, IntelliJ, Wago IO Pro, WorkVisual, Visual Studio

Others: WordPress, VirtualBox

Projects

April 2021 - Present

Software Engineering team project on Android

Development of an **Android application using Java** and Firebase to allow the user to create new budget for them and monitor their income and expenses according to the budget. Was responsible for the development and team management.

Nov 2020 - Present

Digital Engineering team project on Robotics

Working on **KR 3 Agilus** robot and its simulation version. Designing experiments for all the four robot motion on the real system and the simulation to monitor all possible kinematic parameters, compare them and find out the accuracy of the simulated version.

April 2020 - July 2020

Team project on Simulation

Simulation project using Anylogic to optimize traffic at Am Fuchsberg/ Leipziger Str./ Erich-Weinert Str. and improve safety. Was responsible for planning the project and validation of the simulation model.

Jan 2018 - May 2018

Bachelors project on IoT

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.

Freelance projects

Designed and deployed static and dynamic business websites including e-commerce, blogs and portfolios for clients. Freelance projects also include static Android app development. 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

Personal

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

Professional

- Have organised and anchored several college cultural events in India and Thailand.
- Takes up Massive Open Online Courses (MOOC's) occasionally to enhance self-learning.
- Currently taking up online classes to learn German.

Anjan Chatterjee

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Anjan Chatterjee, Magdeburg, 01.06.2021