Athira Dharmangadhan

Data Analyst

Experienced embedded engineer seeking a dynamic career transition into Data Analytics. Proficient in firmware development, I bring a strong foundation in programming, problem-solving, and systems understanding, ready to apply analytical skills to extract insights from data and drive informed decisions.

👤 Contact

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🧩 Skills

- ◉ *Python*

- ◉ *C/Embedded C*

- ◉ *Postgre SQL*

- ◉ *MS Excel*

- ◉ *Tableau*

- ◉ *Jupyter Notebook*

📈 Projects

✓ **RockBuster**: As a movie rental company, helping with "*Rockbuster Stealth*"'s Business Intelligence department with launching its new online video service using Postgre SQL, MS Excel,Tableau and pgAdmin. Click here to see the project highlights.

✓ **Instacart:** Determined sales pattern and provide marketing strategy for online grocery store "*Instacart*" using Python, Excel, Powerpoint and Jupyter Notebooks. Click here to see the project highlights.

✓ **Covid 19 Spread in US** : Identifying the factors contributing spread of COVID 19 in United States and propose strategies for mitigating the spread with Python, Excel, Powerpoint, Tableau and Jupyter Notebooks . Click here to see the project highlights.

✓ **GameCo:** Planning marketing budget for year 2017 that is needed to redistribute among the regions to maximise return on investment with MS Excel and Powerpoint.

✓ **Preparing for Influenza season:** Determine who is most vulnerable so as to plan when and where to send medical staff and amount to each state with help of MS Excel, Powerpoint and Tableau.

🎓 Education

2023 Apr - Present
Data Analytics
Career Foundry, Munich

- Completed a comprehensive course in Data Analytics, enhancing proficiency in data manipulation, statistical analysis, and data visualization.

2011 Jun - 2015 May
Bachelor of Technology in Electronics and Communication Engineering

- Cochin University of Science and Technology, College of Engineering, Chengannur

💼 Work History

2022 Sep - 2023 Jan
Embedded Engineer
Bavariamatic GmbH, Munich

- Wrote Embedded C Code in MPLAB X-IDE using MCC to transition legacy architecture to a new IDE for PIC16F1934, leading its advancement to PIC 18.
- Additionally, performed comprehensive testing throughout development and documented progress meticulously.

2022 Feb - 2022 Aug
Embedded Engineer, *CM1 GmbH, Munich*

- Modified Python modules to test the new patented product, also handling firmware deployment to hardware.
- Learned and developed testing methods from scratch for the patented product.

2020 Aug - 2021 Jan
Junior Embedded Developer, *Brainwired-Drakon Innovations Pvt. Limited, Kochi*

- Contributed to an Agri-tech startup, creating the WESTOCK Livestock Health Monitoring System for Indian farmers.
- Developed in Nordic MCU, nRF52DK, Raspberry Pi, and BLE MESH, with exposure in Segger Embedded Studio and extensive coding in Embedded C.

2019 Mar - 2020 Jul
Testing Engineer *RapidGo Telematics, Kochi*

- Carried out manual product testing in Embedded and GPS Devices
- Supervised Integration and validation of devices along with post production maintenance and support.

2018 Mar - 2019 Mar
Engineering Intern *Audrey Technologies, Kochi*

- Developed codes for Microcontroller programming using C and Embedded C, with experience in IDE tools like MPLAB and KEIL.
- Gained knowledge in I2C, SPI, and PIC programming, as well as Arduino and Proteus. Additionally, worked on live projects involving ARM7 programming.