

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

✉ athirasreelakam23@gmail.com

👤 [LinkedIn profile](#)
👤 [GitHub profile](#)

☎ +4917671238380

Denninger Straße 198
81927, Munich

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

Skills

- Jira
- MS Powerpoint
- Git
- Agile

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.

2019 Mar - 2020 Jul

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.