Nahida Majeed

Embedded Software Engineer + Data Science and Machine Learning

Fujairah, UAE • +971-0562172178• nahida.jishad@gmail.com • www.linkedin.com/in/nahida-majeed-89435b100/ • www.github.com/NahidaMajeed

---

CERTIFICATIONS

Certification in Data Science & Machine Learning   Aug 2023 – Jul 2024
Illinois Tech US

PROJECTS

SEISMIC EVENT PREDICTION (3 months)
Tech & Tools – Python, EDA, machine learning algorithms, Git - GitHub
- Pre-processed seismic datasets, conducted EDA, Trained and validated a Regression model.

LADAR Ltd(6 months)
Tech & Tools – Maxxboard. Sensors: Teseo Liv3R, LIS3MDL, ISM330DX, Git - GitHub
- Integrated GNSS (Teseo LIV3R), magnetometer (LIS3MDL), and accelero-gyro meter (ISM330DHCX) modules to capture accurate positioning, magnetic field, and motion data.

EFTPOS SOFTWARE ENGINEER (6 months)
Tech & Tools – C, database in NAND
- Conducted research and development for advanced point-of-sale (POS) software solutions.
- Managed file and disk operations, specifically focusing on NAND flash memory.

AMSEC CASHWIZARD SAFE II (1.5 years)
Tech & Tools – C, K60 USB driver handling, SVN
- Managed the control board & sub-Boards using CAN communication.
- Firmware updates via USB and web interfaces for secure and efficient operations.

HP Lumen & HP Nebula (3 years)
Tech & Tools – Embedded C, Linux, SVN
- Developed monitor firmware with support for display calibration using external devices, focusing on USB operations, calibration algorithms, and web-based functionalities.

EDUCATION

Bachelor of Engineering — Computer Science   Cochin University of Science and Technology

---

SKILLS

Python | SQL | Scikit-Learn | TensorFlow | Pandas | NumPy | Matplotlib | BeautifulSoup | Power BI | GitHub | Jupyter Notebook | Google Colab | PyCharm | VS Code | Machine Learning Algorithms

C | C++ | GCC | Keil | Microsoft Visual Studio | Eclipse | ARM | UART | I2C | SPI | CAN | USB | TCP/IP | FreeRTOS | Embedded Linux | Multi-threading | JTAG | GDB | Logic Analyzers | SQLite | NAND Management | Signature coding | XML File Parsing | Socket Programming | Valgrind | Makefiles | CMake | Shell Scripting

Requirements Analysis | Design | Implementation | Testing | Maintenance | Multi-Level Requirements (MLR) | Design Documents, Developer Test Case Documents | Github | SVN