

# Nahida Majeed

## Embedded Software Engineer + Data Science and Machine Learning

Fujairah, UAE • [nahida.jishad@gmail.com](mailto:nahida.jishad@gmail.com) • [www.linkedin.com/in/nahida-majeed-89435b100/](https://www.linkedin.com/in/nahida-majeed-89435b100/) • [www.github.com/NahidaMajeed](https://www.github.com/NahidaMajeed)

### CERTIFICATIONS

---

#### Certification in Data Science & Machine Learning

Illinois Tech US

Aug 2023 – Jul 2024

### 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

