

Fardin Imran Shaikh

IoT Development Engineer and Application Trainer

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WORK EXPERIENCE

GROK LEARNING PVT LTD - Mumbai, India

IoT Development Engineer and Application Trainer

April 2024 - Present

- Sensor Integration: Coding and interfacing various sensors, microcontrollers, microprocessors and other hardware components using Python programming to enable device functionality.
- IoT Protocols Implementation: Utilizing protocols like MQTT, HTTP, SPI, UART, I2C and LoRa for seamless communication between IoT devices and systems.
- IoT System Development: Develop end-to-end Industry level IoT applications, Designing, testing, and deploying scalable IoT-based solutions to address real-world challenges.
- Testing and Debugging: Troubleshooting and maintaining IoT systems and troubleshoot issues related to hardware, software, or connectivity to ensure reliability, Testing of various sensors
- Cloud Integration: Connecting IoT systems with cloud platforms for data storage, processing, and analytics
- 3D Designing & Printing: Creating 3D models for IoT projects, ensuring precision and practical application in real-world solutions. Knowledge of operating different 3d printers such as Creality K1 max and more
- Training and Development: Conducting training sessions on IoT concepts, Python programming, and 3D designing at IoT centers

AIM NITI AAYOG, HOPE FOUNDATION - Mumbai, India

Robotics Trainer

June 2023 - March 2024

- Designing and delivering engaging robotics workshops and training sessions.
- Design and develop comprehensive course materials and lesson plans and curriculum on Raspberry Pi, Arduino, and C++ programming tailored to various skill levels.
- Demonstrated ability to impart technical knowledge and hands-on skills in robotics programming, electronics, and automation.
- Collaborating with educators and stakeholders to integrate robotics into the curriculum.
- Build Hands-on projects based on Arduino, Raspberry Pi and other.

EDUCATION

Smt K G Mittal Institute of Management, Information Technology & Research

Bachelor of Science in Information Technology

2020 - 2023

Shri Tikamdas Purshotam Bhatia College of Science

HSC, Electronics

2019 - 2020

PROJECTS

News App [🔗](#)

Java

Personal Portfolio Website [🔗](#)

HTML/CSS/JS

IoT Temperature and Humidity Monitoring using ESP32, DHT11 Sensor & Blynk IoT [🔗](#)

C++

SKILLS

Programming Languages: Java, HTML/CSS/JS, Python, Block Programming.

Tools & Technologies: IoT (Internet of Things), IoT Protocols (MQTT, I2C, SPI, UART, LoRa), Figma, WordPress, Android Studio, Blynk IoT, Raspberry Pi, Arduino, ESP32, VNC, VS Code, 3D Designing & Printing.

Frameworks/Database/Cloud: MySQL, SQL, AWS, React, Bootstrap