Nilanjan Nath

Tech Lead

Professional experience of more than 9 years. Working as the Technology Delivery Lead & Solution Architect. Leading a team of 8 Engineers, responsible for developing Edge Computing - Computer Vision ML apps/systems & Edge Computing - Industrial IoT apps/systems. Holds US B1 VISA.

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Kolkata, India

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EXPERIENCE

Architecture & Strategy Professional
Lexmark

02/2020 - Present   *Kolkata*

Roles & Responsibilities

- Working as the Technology Delivery Lead & Solution Architect.
- Deployed Industrial IoT applications & Wireless Sensor Network for operational optimization (54%) of HVAC system. Developed Computer Vision application for Vehicle Tracking & Manufacturing Quality Control.
- Built and deployed Data-ML Engineering system, leveraging IoT sensor data, for supply chain optimisation which resulted in 67% increase in efficiency.

Manager-R&D
Reliance Jio Infocomm. Limited (RJIL)

06/2016 - 01/2020   *Mumbai*

Roles & Responsibilities

- Designed Schema definition for IoT sensor data and built ETL pipeline for IoT data warehousing. Was part of the team responsible for 5G NB-IoT pilot deployment.
- Architected and developed cloud IoT application for (1) Connected Car (2) Smart Metering (3) Smart Home (4) Track-Trace using NB-IoT as the wireless network.

System Engineer
Infosys, Infosys Labs, IoT COE

01/2015 - 06/2016   *Bangalore*

Roles & Responsibilities

- Developed middle-ware for industrial IoT application and designed scripts for cloud-device-sensor Integration.
- Built android application to extract sensor data from mobile phones for human health monitoring - https://www.commit-nl.nl/people/nath for SENSEI.

EDUCATION

B.Tech.
West Bengal University of Technology

2010 - 2014   *8.08*

Courses

- Electronics and Communication Engineering
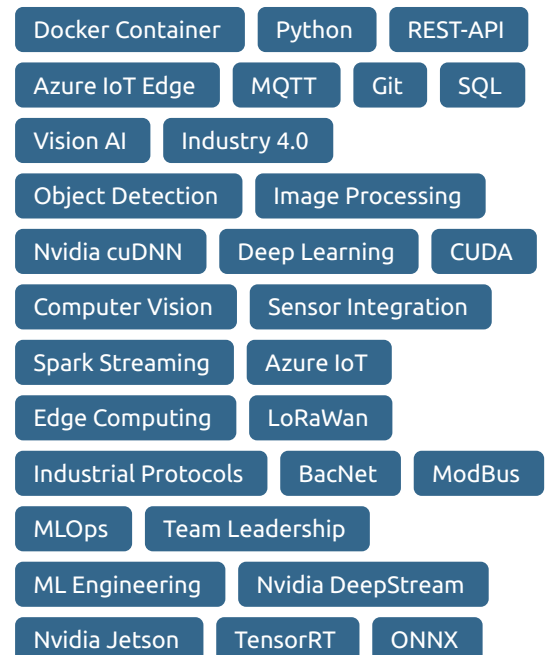
Executive MBA
Indian Institute of Management, Kozhikode

11/2018 - 06/2021   *2.863*

Courses

- Business Administration and Management, Strategy and Analytics

SKILLS

Docker Container | Python | REST-API
Azure IoT Edge | MQTT | Git | SQL
Vision AI | Industry 4.0
Object Detection | Image Processing
Nvidia cuDNN | Deep Learning | CUDA
Computer Vision | Sensor Integration
Spark Streaming | Azure IoT
Edge Computing | LoRaWan
Industrial Protocols | BacNet | ModBus
MLOps | Team Leadership
ML Engineering | Nvidia DeepStream
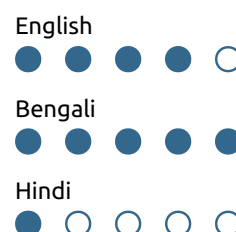Nvidia Jetson | TensorRT | ONNX

ACHIEVEMENTS

Academy of LoRaWan (Semtech)
 (04/2026 - Present)
Certificate

BOSCH M2M DEVICE MANAGEMENT 2.5
 (06/2015 - 08/2015)
Certificate

Was part of IoT and ICT standardization committee for Smart Cities in India, TEC, Ministry of Communication, Government of India (01/2019 - 01/2020)

LANGUAGES

English
● ● ● ● ○

Bengali
● ● ● ● ●

Hindi
● ○ ○ ○ ○

INTERESTS

Drones | Gaming | Football

Geo-Politics | Emerging Technology