



KABIIR KRISHNA

kabiirk.github.io

Seeking opportunities in disruptive digital domains like (A). Automation with IoT, (B). Cyber Security (C). Strategies to integrate disruptive automation technologies to achieve higher degree of intelligence, integrity, interactivity & security during Data-acquisition-Processing-&-Analytics phases leading to transformative outcomes.

Skills

Python
C++
Javascript
Dart
Assembly

Academics

B.Tech

2017 - 2021

Vellore Institute of Technology, Vellore

Successfully completed B.Tech in Electronics & Comm. Engineering (specialization in IoT & Sensors) with a CGPA of 8.39.

10th & 12th CBSE

2015 - 2017

DPS Dwarka, New Delhi

9.4 GPA in 10th and 88% aggregate in 12th.

Tools

Kubernetes
Docker
Flutter
Kafka
D3.js
AVR Studio
PowerBI
WxPython
Three.js
Bash
Cmake

Professional Experience

Work Experience

1. *PricewaterhouseCoopers (CyberOne) - Associate* Jul'21 - Present

Responsible to evaluate & deliver Cyber Security services comprising of 'As-Is & To-Be' risk assessment strategies, governance & practices and their compliance. This leads to implementation of Security technologies, applications & infrastructure to achieve the goal of enterprise-wide Cyber Security.

Internships

1. *IIT-Roorkee, Dept. Earth Sciences Roorkee* Jan'21 - June'21

Project entailed development of PRIME-a GIS Application of IIT-R for the O&G industry by utilizing well log data & its aggregation and perform analytics using Machine Learning. Involved development of Code Editor, GUI, Data Visualization & Representation as graphs. leading to enhanced user experience (UX).

2. *IBM-GBS Divison, Bangalore* Apr'20 - June'20

As IoT Solution data-architect of "Smart-Surveillance" Project that IBM implemented for London HQ'ed Security Services MNC, I worked on:

- (A). ETL process to design a Python-based scalable data-transport service for real-time video-feeds using IBM Visual Insight (IVI) Analytics Platform Insights,
- (B). Services Solution using decentralized SOA and Secure Data-streaming,
- (C). Devising a Solution that included creation of raw datasets, training-&- testing of the surveillance model, &
- (D). Leverage Kafka, Kubernetes and Docker etc.

As an Analyst, my Project "Buyer Sentiment Analysis"- implemented for a global FMCG leader, involved:

- (A). NLP-based analytics applied to soap-related sales data extracted from sites like Amazon & Flipkart,
- (B). PowerBI as a Data Visualization tool,
- (C). Project's outcome was to highlight the inherent business opportunities w.r.t. that category of soaps, using results of Python-based Analytics engine applied on the data collected.

Projects

IoTomize - Reduction in Electricity-consumption based upon physical location at home

Project created end-to-end IoT-based Home Automation Solution using RFID-validation with data originating from DHT-11 sensors to manage motor-controlled action. Created a unified platform to measure, analyze and actuate physical action. Data resided on Azure Cloud while a Dashboard was created to pull, visualize & report as graphs.

Smart Parking - Locate an empty Parking Slot Using a Mobile App

Designed around embedded systems, Project involved interface between Micro-controllers ESP8266 (NodeMCU) & Atmega16A that allowed serial communication between them.

Sentiment Analysis - Mobile phones' Customer Reviews Posted on Amazon

Project focused on raw data-sets w.r.t. public opinions expressed on e-commerce platforms regarding SAMSUNG mobile phones. Data extraction involved cleaning too so as to be properly analyzed & presented.

Smart Health Monitoring System of Patient's Body Vitals - Realtime Measurement & Alarm

Project involved monitoring heart-pulse rate, temperature, body-balance and set-out an alarm when these parameters violate a pre-defined range. Sensors Used: DHT-11 (temperature & humidity), MPU-6050 (3-dimensional, 6-axis orientation) and Pulse-Sensor (pulse-rate). Application Suite Used: Blynk (freeware).

Thoughts & Ideas

I aim to use disruptive technologies like IoT Neural Networks, Machine Vision, NLP and Deep-Learning coupled with my knowledge of electronics & embedded systems to design intelligent IoT-based Solutions that lead to business success and human comfort.



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