



KABIIR KRISHNA

kabiirk.github.io

7th Semester VIT student, seeking opportunities in domains like (A). Automation with IoT, (B). Embedded Systems, (C). Strategies to integrate disruptive automation technologies to achieve higher degree of intelligence, integrity & interactivity during Data-acquisition-Processing-&-Analytics phases leading to transformative outcomes.

Skills

Python
C++
Dart
Javascript
Assembly

Academics

B.Tech.

2017 - Present

Vellore Institute of Technology, Vellore

Pursuing Bachelor of Technology in **Electronics & Communication Engineering** with specialization in Internet of Things (ECE spl. in IoT and Sensor).

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

Professional Experience

Internships

1. 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.

2. Deloitte-IMA Division, Gurugram

May'19 - July'19

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.

Microsoft Student Partner Program

Aug'19 - Present

VIT's Knowledge Community

As a part of the MSP community, I evangelize Microsoft Azure Cloud Platform by conducting workshops for my peers & juniors.

Head of University Affairs

July'17 - July'20

Computer Society of India-VIT Student Chapter

Led the creative content design team as Board member of the Chapter and have been organizing one of South India's biggest annual Tech Conference DEVSPACE for the past 2 years.

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.



99580 56805



kabiirk@gmail.com



Kabiirk



Kabiir Krishna



New Delhi