ABENI DATTA

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TECHNICAL SKILLS

Languages: Python, SQL, C++, HTML, CSS.
Frameworks/Databases/Libraries: OpenCV, Matplotlib, Pandas, NumPy, MySQL.
Tools: YOLO_v8/v4, Roboflow, Jupyter Notebook, Power BI, JIRA, GitHub, Test Rail, AWS, IBM Cloud.

EXPERIENCE

Business Intelligence Engineer (Data Analyst) | Infosys / T-Mobile, Washington, USA | Feb 2024 - April 2024

- *Important Experiences-* Power BI, Microsoft Excel, JIRA.
- Visually represented over 10 bi-weekly sprint reports retrieved from Jira using Excel and Power BI to better understand team performance, identify bottlenecks, and improve sprint planning processes.
- Developed and implemented over 5 easily comprehendible data visualization dashboards in Power BI using large datasets, providing actionable insights to stakeholders and executives.
- Conducted thorough data cleaning and validation procedures for 2 large datasets, ensuring accuracy and reliability of analytical results.
- Carried out some other miscellaneous tasks such as creating a crash course on how to use the JIRA platform.

Product Support Engineer | DOZR, Kitchener, Canada | Sept 2022 - Dec 2022

- *Important Experiences-* MongoDB, NoSQL Booster, Stripe, FrontApp, ClickUp.
- Solved in-company software issues by troubleshooting or help find a quick effective alternative at a state of urgency.
- Created and assigned 300+ tickets to various developer groups within the company and later following up with them to know if and how the problem was resolved.
- Executed other important tasks such as drafting and sending weekly financial reports to 3 supplier companies, documentation work, making weekly progress reports and carrying out 10+ tests for developers.

KEY PROJECTS

Toyota Innovation Challenge Project About Object Identification Using Machine Learning and Computer Vision | Python | 2022

- Toyota Innovation Challenge (jointly held by the Engineering Ideas Clinic at UWaterloo and Toyota Motor Manufacturing Canada (TMMC)) - *Prize Winner in the Machine Learning category*
- Employed YOLO (You Only Look Once) object detection algorithm to accurately identify and track the wheels of a car and the car itself, in both stationary and dynamic scenarios, as well as in plain and noisy backgrounds, as per the challenge's problem statement.
- Utilized critical thinking and problem-solving skills to tackle complex challenges presented during the competition, further honing my abilities to navigate real-world problem-solving scenarios.
- Competed with 35+ teams in a group of 2 showing teamwork and responsibility in managing tasks.

NodeMCU Blind Glove | C++ | July 2021- Aug 2021

- Built a device using a NodeMCU and attached it to a wearable cloth glove to aid the visually impaired.
- Attached an ultrasonic sensor to detect a wall or an obstacle within a range of 15 cm.
- Equipped with a buzzer that goes off and an LED that lights up which notifies the user of the presence of the obstacle.
- Programmed the device using C++ through the Arduino IDE.

EDUCATION

Candidate for Bachelor's in Applied Science in Computer Engineering (BioMech Option) | University of Waterloo, Waterloo, ON | Sept 2021 - Jul 2027