KHUSHALI DAGA

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EDUCATION

CARNEGIE MELLON UNIVERSITY, **HEINZ COLLEGE**   Pittsburgh, PA
Master of Information Systems Management - Business Intelligence and Data Analytics   12/2024
Coursework: Unstructured Data Analytics, Data focused Python, OOPs Java, Statistics for IT Manager
VISHWAKARMA INSTITUTE OF TECHNOLOGY   Pune, India
Bachelor of Technology in Computer Science   07/2022
GPA: **3.87**

SKILLS & CERTIFICATIONS

Programming & Frameworks: Python, Java, HTML, Spring Boot, REST APIs, Azure Services, Django, C++, SQL, NoSQL, Postgres, ReactJS
Business Software: Tableau, IntelliJ, Visual Studio, Postman, Spyder, Jupyter, Arduino
Technical Skills: Amazon Web Services, GitHub, Big Data Analytics, Database Management, Machine Learning, Azure Services, Google App Scripts
Certifications: Basic Data Processing and Visualization (Coursera, UC San Diego), Machine Learning (Coursera, Stanford University), Introduction to Statistics (Coursera, Stanford University), MongoDB Basics (MongoDB)

EXPERIENCE

DAGA POLYPACK PVT. LTD., India   Jodhpur, India
Marketing and Production Manager (Part-time)   01/2021 – 07/2023
- **Business Analysis:** Formulated a model using Python and PostgreSQL to analyze costing charts and visualized future data, trends, reducing overall cost by 6%
- **Marketing & Strategy**: Strategically created and implemented mail campaigns, resulting in 4% sales increase
- **Process Automation:** Automated marketing email campaigns through one click bot solution using Python, reducing manual efforts by 80%
- **Resource Management:** Managed production to make efficient use of raw materials and recycle waste to cut costs by 5%
- **Quality Control & Assurance:** Oversaw Quality Control, involving gauging the strength, stretchability, and GSM of factory-made bag ensuring consistent production of high-quality products

FIVETREES TECHNOLOGIES, India   Bangalore, India
Software Developer   05/2021 – 06/2023
- **Project Management:** Led solution process plan to integrate REST APIs for Visitor and Attendance Management Systems to digitalize the process
- **SQL Proficiency:** Designed and executed complex queries in SQL to retrieve and manipulate data for reporting purposes
- **Cloud Integration:** Incorporated APIs using azure services to improve storage, reliability and scalability of application and services to reduce workload by 50%
- **Back-end:** Integrated Google Calendar Add-on for visitor management system with end-to-end APIs using Google App Scripts,
- **Database Migration:** Single-handedly migrated database from MySQL to PostgreSQL to improve storage and extensibility

ACADEMIC PROJECTS

Deep Learning: Robust Adversarial Training for Detecting Adversarial Samples   03/2021
- Detected poisoned datasets caused by attacks such as "white box attack", "black box attack", "FGSM", etc. resulting in an accuracy of ~96%
- Trained the model on a mix of adversarial generated images and normal images from MNIST dataset with an epsilon of 0.15-0.3

DeFi, Blockchain: Arbitrage Using Flash Loans   12/2020
- Developed a model to generate profit from Circular Arbitrage on Decentralized exchanges with less chances of losing funds
- Obtained a flash loan and used the 0x API as well as the funds from the flash loans to trade it for cryptocurrency. Used 1 inch to find the best price to sell at and kept the profit achieving larger profits than cyclic arbitrage

C++: Flight Reservation System   01/2021
- Built a project in C++ to book a seat, revise personal details or cancel the reservation of a passenger & updated flight details
- Enhanced data privacy by implementing secure passenger login, restricting authorized access to reservation details and modifications

LEADERSHIP & ACTIVITIES

VIT Dance Team Head   01/2022 – 06/2022
VIT Football Team Vice Captain   01/2022 – 06/2022
Volunteered in computer literacy program for senior citizens   02/2020 – 02/2020