Vibhutiben Bharatkumar Thummar

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OBJECTIVE

Results-driven computer engineer with a strong foundation in data analysis, software development, and database management. Seeking a challenging Data Analyst position to leverage my analytical skills, technical expertise, and passion for deriving actionable insights from complex datasets. Eager to contribute to data-driven decision-making processes and optimize business performance through advanced analytics techniques and visualization tools.

WORK EXPERIENCE

Graduate Teaching Assistant   **Aug 2024- Present**
Laurentian University, Greater Sudbury

● Graded assignments and exams, ensuring accurate evaluation of student performance in statistical analysis, and data visualization in tableau.
● Led lab sessions, helping students navigate data analysis software such as Python, MySQL, and Tableau, providing real-time troubleshooting and guidance.
● Collaborated with faculty to design and improve curriculum materials, enhancing data literacy and analytical skills.
● Supported students with one-on-one consultations, offering tutoring and guidance on data-driven projects.

Software Developer   **MAY 2021 - MAY 2023**
Kaizen Infocomm Pvt Ltd, Ahmedabad

● Developing and maintaining user interface with programming standards.
● Integrate data from various Back-End Services and databases.
● Effectively communicating with the Software Testing team to run applications smoothly.
● Performing Application Programming Interfaces(APIs) request to get useful data.
● Maintaining files of records related to projects, including meeting notes and presentation notes.
● Ensuring that software development follows standard principles of coding to develop efficient software.
● Review the status of tasks and projects to ensure they progress according to schedule.

Trainee Software Developer
Aegis Software PVT. LTD. - Rajkot   **JANUARY 2021 - MAY 2021**

● Gain a comprehensive understanding of the various phases of developing web applications.
● Acquire knowledge about best practices in coding conventions and efficient data organization techniques.

PROJECT DETAILS

1. Healthcare Data Management

This project leverages Google Cloud Platform (GCP) to streamline patient appointment scheduling and data management. Patients can book appointments online or at the hospital. The system captures patient data, converts it to JSON, and publishes it to Cloud Pub/Sub. A Cloud Function is triggered by the Pub/Sub message, processes the data using Python, and loads it into BigQuery. It stores comprehensive patient information, including treatment history, lab results, and diagnoses. Doctors update disease statuses directly in BigQuery. Finally, the data is exported to Data Studio for visual analysis and reporting on disease categories. This pipeline integrates various GCP services to create an efficient, automated workflow for patient data management and analysis.

2. Object Detection and Classification using ML Algorithms
Developed and implemented a cutting-edge object detection and classification system utilizing state-of-the-art deep learning techniques. Leveraged Convolutional Neural Networks and YOLO architecture, alongside industry-standard frameworks such as TensorFlow and Keras, to achieve high-precision multi-object identification and categorization within images. The project encompassed comprehensive stages including data acquisition and preprocessing, model development, rigorous testing, and performance optimization. Successfully deployed the model in a real-time application, demonstrating substantial improvements in accuracy and efficiency. This initiative showcased proficiency in machine learning, computer vision, and software engineering, resulting in a robust solution with practical applications in various industries.

3. Console Games Dashboard
In this Tableau project, we analyzed the sales data of console game titles from 1980 to 2015 provided in the video game dataset. The project involved creating several views to gain insights into various aspects of the data. We examined the evolution of total sales by genre over the years to visualize the contribution of each genre and compared total sales across different platforms for each genre. Additionally, we analyzed the total sales by publishers to identify the top performers. We also determined the relative contribution of the top 10 game titles to overall sales. We explored the relationship between sales in the different regions and summarized the total sales using key numerical descriptive statistics.

TECHNICAL SKILLS
Programming: JAVA, Python, HTML5/CSS3, JavaScript, jQuery, AJAX, SQL, React JS, Node.js
Algorithms: SVM, Logistic Regression, KNN
Developer Tools: Google Cloud Platform, Sublime Text, MySQL, MongoDB, PyCharm, Tableau, jupyter Notebook, Google Colab, Power BI
Frameworks/ORM Tools: Spring MVC, Bootstrap
Technology/Platform: DevOps, GitHub, AWS, JSON
OS/Servers: Windows 7,10 & 11, MacOS, Linux, Apache Tomcat, Hyper-V
Microsoft Tools: Microsoft Word Excel, and PowerPoint.

EDUCATION
Laurentian University   **SEPTEMBER 2023 - PRESENT**
Master of Science – Computational Science
GPA: 8.55

CERTIFICATIONS
● Cisco Networking Academy certified for Data Analytics and Data Science
●Certified from Udemy as a business intelligence Analyst with Python and Tableau
● Certified for Advanced SQL and Relational Databases from IDM and Cognitiveclass
●Cisco Networking Academy certified for Advanced Python for Data Science

EXTRA-CURRICULAR ACTIVITIES
● Volunteer in the Northern Light Festival
● Volunteer in national building reconciliation organized by Laurentian University.