UDBHAV BALAJI
SOFTWARE DEVELOPER

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PROFESSIONAL SUMMARY

Highly skilled and motivated software engineer with a strong background in data analytics and software development. Proficient in a variety of programming languages and tools, including Python, Java, PHP, SQL, and MATLAB. Demonstrated expertise in data visualization with PowerBI and version control using GitHub. Experience includes a data analyst internship at Celestica, where significant improvements in data classification and compliance were achieved. Recent graduate with a Bachelor's in Computing at Queen's University, with a focus on Data Analytics.

EDUCATION

Bachelor of Computing (Honours), Queen's University, Kingston ON   Sep 2019 – Apr 2024
- Specialization: Computer Science (Data Analytics Focus)
- Relevant Courses: Advanced Data Analytics, Neural & Genetic Computing, Data Structures, Linear Data Analysis, Nonlinear Data Analysis, Artificial Intelligence

AREAS OF EXPERTISE

Technical Skills: Python (numpy, pandas, scikit-learn, scipy, flask), JavaScript (Node.js, commander, inquirer), Java, PHP, SQL, MATLAB, HTML, CSS, Git, PowerBI, Excel (Power Query/VBA)
Other Skills: Writing Software Specifications, Data Visualization, Working in Cross-Functional Teams

WORK EXPERIENCE

Data Analyst & Quote Controller Intern, Celestica, Toronto ON   May 2022 – Aug 2023
- Facilitated spend data classification to correctly identify categories of spend, reducing unclassified spend by 30%
- Improved ease of compliance by identifying critical contract terms and metrics to assist the transition between contract management systems, enabling greater visibility of contract terms
- Built a PowerBI dashboard to enable senior management in evolving appropriate policies for effective management of employee travel expenses

Residence Don, Queen's University, Kingston ON   Aug 2021 – Apr 2022
- Promoted academic success, addressed student needs, encouraged involvement among students in residence
- Implemented and enforced university and campus policies
- Conducted campus events to boost community engagement while maintaining student safety during the pandemic

Customer Experience Salesfloor Associate, Walmart Canada, Kingston ON   May 2020 – Dec 2020
- Handled customer queries regarding online orders with emphasis on status and availability
- Inventory collection for missing items in orders
- Ensured clean and safe work environment during COVID-19

PERSONAL PROJECTS

Tracker-CLI | JavaScript, Node.js, *Commander.js, Inquirer.js, moment.js, npm*
- Built a Node.js CLI for managing customizable datasets with various field types.
- Implemented record management features, including adding, viewing, deleting, and filtering records.
- Developed support for many-to-one relations between enum fields, enhancing data tracking.
- Leveraged JSON for configuration and storage, ensuring data integrity and flexibility.

Rubik's Cube Architecture | Python, Object Oriented Programming, *numpy*
- Built Rubix Cube structure/architecture provisioned to perform all operations defined by a real-world cube using Inheritance and Object-Oriented Programming (OOP) as precursor to a Rubik's Cube Solver
- Built-in command line interface to interact with cube instance (perform operations & visualize cube)

Spotify Hit Predictor | Python, Jupyter Notebooks, HTML, Supervised Learning, REST API, *pandas, numpy, sci-kit learn*
- Created a web-app that analyzes track metrics to predict the success of a song in the US market
- Designed an XGradientBoost classification model using Spotify data from 90s, 00s and 10s, obtaining an accuracy of 88%
- Developed an API endpoint that interacts with Spotify's REST API to obtain metrics of songs entered by the user

CERTIFICATIONS

Introduction to Data Science in Python, Coursera   Jul 2021
Applied Plotting, Charting and Data Representation in Python, Coursera   Jul 2021