Ritika Dharamkar

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SUMMARY

Driven and Detail-oriented technology enthusiast committed to continuous learning, proactive problem-solving, and effective collaboration across diverse teams for superior solution delivery.

EDUCATION

University of Cincinnati, Cincinnati, Ohio   **January 2023 - May 2024**
Master of Science: Information Technology   **GPA: 4.0/4.0**
J.B. Institute of Engineering and Technology, Hyderabad, India   **October 2013 - May 2017**
Bachelor of Science: Electronics and Communication Engineering (ECE)

WORK EXPERIENCE

Software Engineer, Amazon Development Center, Hyderabad, India   **July 2017 - December 2022**
- Designed and implemented fault-tolerant data movement systems ensuring seamless recoverability and effective handling of system interruptions. Developed robust data movement and ingestion components, encompassing requirements analysis, system design, coding, testing, and deployment across diverse environments. Proficiently utilized technologies such as Java, Python, Spark, Azure Data Factory, and Azure Synapse.
- Conducted thorough performance analysis and diagnosis of existing systems and applications, proactively implementing maintenance strategies to optimize application performance and upgradeability.
- Leveraged SQL proficiency to extract relevant insights into fraud transactions, evaluating modus operandi and crafting rule logic to mitigate fraudulent activities and drive critical business decision-making
- Analyzed data points alongside live product detail pages (PDPs) of top-ranked ASINs to identify potential signals of ASIN Attribute Abuse, including ASIN Hijacking and mis categorization abuse.

INTERNSHIPS

Full Stack Developer, University of Cincinnati, Ohio   **September 2023 - May 2024**
- Built Research Tracking System project using scalable SQL database, Node.js, Express.js, Handlebars, Puppeteer.

Teaching Assistant, University of Cincinnati, Ohio   **May 2023 - December 2023**
- Created video lectures and taught Python, SQL, and GitHub to University of Cincinnati students, staff, & faculty.

IEEE PUBLICATIONS

Smart Temperature Management in Buildings Using Predictive Analysis by Machine Learning Algorithms   **March 2023**
Conducted rigorous model evaluation of Linear Regression, Random Forest, and Decision Tree Machine Learning models.
Predicted Cyberbullying Behavior in Social Media Using Machine Learning Techniques   **August 2023**
Used MLP, Naïve Bayes, XGBoost, CatBoost, LR, & SVM Algorithms to predict cyberbullying behavior on Twitter platform.

TECHNICAL PROJECTS

Predicting Profit/Loss of Future Sales Using Different Machine Learning Algorithms   **March 2023**
Predicted demand for which size of clothes are to be produced more for profits using the SVM, MLP, & DT ML models

COMPUTER & TECHNICAL SKILLS

Programming Skills: Python, Java, JavaScript, Data Engineering/ETL/ELT (Spark, Azure Data Factory, SQL, Custom Programs), Microsoft SQL, PostgreSQL, SQLite , Database Management (SQL Server, Azure Blob, Data Lake)
Python Libraries: NumPy, Pandas, TensorFlow, PyTorch, or scikit-learn, Keras, Flask
Cloud Technologies: Amazon Web Services, Microsoft Azure, Google Cloud Platform
Tools & Services: Excel/Google Sheets, Tableau, Git, Google Analytics, SharePoint, Microsoft Office Suite, SAS, JIRA, DBeaver, Event Transfer Systems (Kafka, Azure EventHubs), Non-relational Data Sources (CosmosDB, No/Low SQL)
Operating Systems: Mac OS, Windows, Linux

HONORS & AWARDS

2017 Shining Star Award, Amazon – Awarded as Best New Employee on team of a 200-employee size.
2019 *Best Employee of the Year, Amazon* - Received yearly award as Best Employee of the Year, 2019 within Amazon.