ADITYA SHARMA

347-586-2671 | New York, NY | adityasharma@nyu.edu | LinkedIn | Portfolio | GitHub

EXPERIENCE

Standard Motor Products   Queens, NY
Data Analyst, Product Management   **May 2023 – Present**
- Continued the existing responsibilities of the internship.
- Designed and implemented automated dashboards utilizing generated reports to enhance efficiency within the product management department.
- Developed a streamlined product that simplified the numbering convention for new parts with real-time validation, resulting in a time savings of at least 25% for product managers.

Standard Motor Products   Queens, NY
Programmer Analyst Intern, Product Management   **Feb 2023 – May 2023, Jun 2022 – Aug 2022**
- Managed data for over 400,000 OEM and aftermarket automobile parts and implemented efficient stored procedures on SQL Server to streamline data organization and updates in the data warehouse.
- Integrated SQL Server stored procedures with Microsoft Suite Tools, enabling seamless data management and updates.
- Developed user-friendly forms using Microsoft Tools to automate data validation, resulting in a 15% reduction in error percentage.
- Optimized runtime of stored procedures, leading to a 25% improvement in database update efficiency.
- Extensively worked in SSIS development and created Data transformation services executable (DTSX) files for easy automation of updates. Developed scripts for automating their execution every week.

SKILLS

- **Proficient Languages:** Python, JavaScript, C/C++, HTML, CSS, SQL
- **Data Analysis Tools:** R, Excel, Tableau, PowerBI, VBA, Access
- **Database and Cloud:** SQL, MongoDB, Elasticsearch, DynamoDB, AWS (Lambda, S3, OpenSearch, Lex, SQS, SNS), SSIS
- **ML/Python Libraries:** NumPy, TensorFlow, Keras, Pillow, BeautifulSoup, OpenCV, Seaborn, Sklearn, Matplotlib, Tkinter
- **ML Concepts Applied:** Image Processing, CNN, ANN, Object Detection, Web Scraping

EDUCATION

New York University, New York, NY
Master of Science, Computer Science   **Sep 2021 – May 2023**
Relevant Coursework – Cloud Computing and Big Data Systems, Design and Analysis of Algorithms, Foundations of Data Science, Big Data, Computer Networking, Information Security and Privacy

SRM Institute of Science and Technology, Chennai, India
Bachelor of Technology, Computer Science   **Jun 2017 – May 2021**
Relevant Coursework – Data Structures, Software Engineering, Database Management, Operating Systems, Web Programming, Object-Oriented Programming, Theory of Computation, Computer System Architecture

PROJECTS

AWS Smart Photo Album *(S3, Lambda, CodePipeline, CloudFormation, OpenSearch, API)*   **Apr 2022**
- Implemented a photo album web application that can be searched using natural language through text and voice.
- Used Lex, ElasticSearch, and Rekognition to create an intelligent search layer to query photos for people, objects, actions, landmarks, etc.

Dining Concierge Chatbot using AWS *(S3, Lambda, Lex, SNS, SQS, DynamoDB, OpenSearch)*   **Mar 2022**
- Developed a Dining Concierge Chatbot that suggests restaurants in the New York City area.
- Inputs a set of preferences, such as area to dine in, the choice of cuisine, the time to dine in, etc., that the users provide through a conversation with the Chatbot.

Sign Language to Text using Machine Learning *(OpenCV, Keras, Tkinter)*   **May 2021**
- Programmed real-time hand signs and trained a neural network using CNN and ANN, which uses Adam optimizer for the neural network.
- Recognizes hand signs and converts them into words and sentences with an accuracy of **95.7%**.

Cricket Website Scraping to Graph *(BeautifulSoup, Pandas, NumPy)*   **Jun 2019**
- Investigated the CricBuzz website and dumped the information to understand and visualize the history of the Cricket World Cup 2019.

PUBLICATIONS

Indian Sign Language to Text in Real-Time using Machine Learning *(OpenCV, Keras, Tkinter)*   **Apr 2021**
International Journal of Engineering Applied Science and Technology (IJEAST)
- Deployed neural organizations for fingerspelling dependent on Indian gesture-based communication and engineered an application to predict hand gestures with an accuracy of **95.7%.**