

Ashish Kumar Jha

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Results-driven Analyst with about 3 years of experience, specialising in efficient deployment of new features and enhancements. Proven expertise in automating data ingestion through Python, SAS and SQL. Demonstrated ability to optimise workflows and deliver high-quality results across diverse work environments. Eager to contribute valuable skills to dynamic and innovative teams in a challenging role.

Skills

- **Languages:** Python, SQL, SAS, JavaScript, HTML
- **Frameworks/Libraries:** Pandas, Matplotlib, Flask, Django, Scipy, Scikit-Learn, Selenium
- **Databases:** MySQL, PostgreSQL, MongoDB, Hadoop
- **Tools:** AWS, Git, Docker, Jira, IBM Mainframe, BlueZone
- **Concepts:** ETL, SDLC, STLC, Agile, Machine Learning, Object Oriented Programming, Data Structures and Algorithms

Experience

Analyst | Wipro

Sep 2021 - June 2024

- **Data Management:** Utilized SAS for comprehensive data processing tasks including data extraction, transformation, and loading (ETL) into the DB2 environment.
- **IBM Mainframe Operations:** Created and managed JCL jobs, leveraging SAS programming for data ingestion, modeling, and transformation into the DB2 database.
- **Total Benefit Administration (TBA) System:** Played a crucial role in managing and handling the client's employee benefit administration.
- **Automation Testing:** Employed in-house automation tools to test web application including a tool built on top of Python (Selenium), ensuring robust and reliable system performance.
- **System Configuration:** Conducted configurations and customizations for the TBA system to meet specific client requirements, optimizing system functionality and user experience.
- **Internal Tools Testing:** Utilized an in-house automation tool to test internal tools used by the operation team, streamlining processes and increasing efficiency by 30%.
- **Jira:** Utilized Jira for bug reporting and managing agile workflows, enhancing project management and collaboration.
- **Collaboration and Problem-Solving:** Worked closely with cross-functional teams to troubleshoot and resolve issues, enhancing system efficiency and effectiveness. Contributed to a 20% reduction in system downtime through effective issue resolution and proactive maintenance.

Projects

YouTube Channel Web Scraper and Data Storage System

- **Technologies Used:** Python, Selenium, Amazon Web Services (Elastic Beanstalk, CodePipeline), GitHub, MongoDB, CSV
- **Developed and deployed** a Python-based web scraper using Selenium to extract recent video information (title, views, thumbnail, video link) from YouTube channels.
- **Implemented CI/CD** using AWS Elastic Beanstalk and CodePipeline, with version control through GitHub, ensuring efficient and automated deployment.

- **Stored scraped data** in CSV files and a MongoDB database, enabling structured and scalable data management.
- **Enhanced automation and reliability** by integrating error handling, logging mechanisms, and cloud services, ensuring consistent data updates and system scalability.

● ATS (Application Tracking System)

- **Streamlined Application Management:** Built a Streamlit-based web app for seamless resume upload, parsing, and real-time applicant tracking.
- **Advanced Resume Parsing:** Implemented Google Generative AI for automated extraction of key candidate details like skills and experience.
- **Secure Environment Management:** Used `python-dotenv` to safeguard sensitive data such as API keys and database credentials.
- **Efficient Document Processing:** Employed `pdf2image` and Poppler to convert and process PDF resumes, facilitating easy viewing and text extraction for thorough candidate evaluation.

● Diamond Price Prediction

- Created a simple web application based out of flask while automating both training and prediction pipeline for the regression model.
- The training pipeline returns the best regressor, which can be used to make predictions for the diamond price based on carat, colour, cut and clarity.
- **Tech stack:** Scikit-learn, Pandas, EDA, Feature Engineering, Flask, Random Forest regressor

● Alight Web/Mobile Application

- New platform for clients with more flexible ways to reimburse their benefit claims and with new flexible plans. New releases with base and customised updates happen every months
- **Environment:** Android, iOS, Web.
- **Role/Responsibilities:** Analyst
- Understanding the Product using Software Requirement Specification.
- Assisted in developing keyword driven and descriptive programming framework for automation testing.
- Done Functional and Unit testing for Android and iOS applications.
- Web Application automation using Prueba, Catalyst and Selenium. Bug tracking and reporting in JIRA.

Certifications

- **Data Science Master** - PW
- **GenAI for Everyone** - DeepLearning.ai, Coursera
- **Google Data Analytics** - Google, Coursera
- **Introduction/Advance SQL** - UpGrad
- **Design and Verification using Verilog** | Intern - Entuple Technologies Pvt Ltd

Education

Inderprastha Engineering College

- B.Tech, Electronics and Communications
- CGPA: 8.14

2021