Harshad Yadav

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PROFESSIONAL EXPERIENCE & PROJECTS

FULL STACK DEVELOPER

Cere Labs Pvt Ltd | Mumbai, India   June 2021 - Present

Credit Modeling Bot : Tasked with improving anomaly detection accuracy in financial documents, I developed a more efficient analysis system using RabbitMQ for messaging between components and MySQL for data storage. I led the deployment of this system and integrated real-time alerts, which promptly identify and resolve issues. These enhancements significantly bolstered organizational efficiency and risk management.

Curation Utility Solutions Architect : Optimized data validation and analysis for the Bank Statement Extraction Bot by engineering a user-friendly Java web application with integrated Hibernate sessions. Developing and implementing the application, I ensured seamless integration with Hibernate sessions, focusing on a user-friendly interface and robust backend functionality. This resulted in a significant efficiency boost for the Bot, enhancing data validation and analysis capabilities.

Salary Slip Extraction Bot : Enhanced payroll analysis by integrating a salary slip extraction bot, focusing on employee information and earnings. Implementing this integration, I strategically analyzed data to improve decision-making speed and accuracy, significantly expediting payroll analysis.

Invoice Extraction System : Employing the MLFlow framework, we trained a BERT classification model to classify text for document types, thereby enhancing operational efficiency in extracting invoice details. This endeavor entailed substantial technical research and collaboration, resulting in minimized manual efforts and optimized operational efficiency, ultimately achieving heightened accuracy levels.

KYC Validation Automation : Improved the KYC validation process by implementing a bot to automate customer information identification. My task was to develop and deploy this bot to achieve high accuracy and expedite validation. I researched and implemented advanced algorithms for customer identification, resulting in a remarkable 98% accuracy rate. This minimized manual verification efforts and expedited the KYC process.

Billing Management Module : Crafting a user-friendly billing module tailored to organizational needs, I aimed to enhance financial management efficiency. Analyzing requirements thoroughly, I designed and deployed a solution that streamlined processes, resulting in improved financial management efficiency.

SKILLS

Python | Pandas | Django | Flask | RESTful APIs | FastAPI | NumPy | Natural Language Processing | SQLAlchemy | MYSQL |

Django ORM | MongoDB | Redis | Rabbitmq | Kafka | Jenkins | OAuth | JWT | Azure | Docker | Docker Compose | GitHub Actions

JAVA | Data Structures | Servlets | JSP | JPA | JDBC | Apache Tomcat | Spring core | Spring MVC | Hibernate | ORM | MYSQL |

HTML | CSS | JS

EDUCATION

BE in Computer Engineering   **Graduated in May 2021**
Vidyalankar Institute of Technology, Mumbai.

Diploma in Computer Engineering   **Graduated in April 2018**
Pravin Patil College of Diploma Engineering & Technology, Thane