Harshad Yadav

SOFTWARE ENGINEER, Mumbai, India | harshadyadav20@gmail.com | +918879672921

https://in.linkedin.com/in/harshad-yadav-208 | https://github.com/harshad208/

PROFESSIONAL EXPERIENCE & PROJECTS

FULL STACK DEVELOPER

Cere Labs Pvt Ltd | Mumbai, India   June 2021 - October 2024

Credit Modeling Bot : Designed and deployed an anomaly detection system for financial document analysis, enhancing accuracy and response time. Utilized RabbitMQ for inter-service messaging and MySQL for structured data storage. Led end-to-end deployment and integrated real-time alerting, enabling immediate issue resolution. Resulted in improved risk management and increased operational efficiency.

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 : Enhanced the KYC validation process by implementing a bot to automate customer information identification using advanced algorithms. Achieved 98% accuracy, significantly reducing manual verification and accelerating processing time. Focused on algorithm optimization and automation to improve compliance efficiency and operational throughput.

Billing Management Module : Designed a user-centric billing module aligned with organizational financial workflows. Conducted in-depth requirement analysis to architect a solution that streamlined billing processes, reduced manual overhead, and improved financial management efficiency.

BACKEND DEVELOPER

Nextgen Clearing pvt ltd | Mumbai, India   November 2024 - Present

DCH Computation : Designed and implemented large-scale data ingestion workflows, creating multiple dataset collections in MongoDB and Apache Pinot. Utilized PySpark for efficient preprocessing and Kafka for real-time data communication, resulting in faster processing and improved pipeline performance.

SIMPLIFY : Designed and improved a SIM-to-IMSI assignment system, optimizing large-scale data processing using Apache Pinot and PostgreSQL for OLAP indexing. Built Apache NiFi flows to automate file ingestion and processing from diverse sources, including AWS and OSS, enhancing data pipeline reliability and performance.

SKILLS

Python | SQL | Bash | HTML | CSS | JavaScript | TypeScript | Django | Flask | FastAPI | React | Next JS | REST APIs | OAuth | JWT |

Pandas | NumPy | scikit-learn | TensorFlow | NLP | PostgreSQL | MySQL | MongoDB | Redis | SQLAlchemy | Kafka | RabbitMQ | Apache NiFi |

Docker | Docker Compose | Jenkins | GitHub Actions | Azure | AWS | GCP | Grafana | Pytest | Postman

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