

Ankush Sharma

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OBJECTIVE

Experienced Data Scientist with 3+ years of experience in Natural Language Processing (NLP), Machine Learning, Deep Learning and Python and 1.75 years of experience as SAP BODS and SAP BO developer. Proven ability to solve complex problems and develop data-driven solutions.

PROFESSIONAL EXPERIENCE

Tata Consultancy Services

AI/NLP Developer, Sept 2020–Present

Global Steel Manufacturer

- Designed and implemented a robust AI/NLP solution capable of automatically extracting payment related information from receipts spanning 6000 different vendors.
- A combination of diverse OCR techniques, fuzzy logic, and customized Named Entity Recognition (NER) methods were employed to attain an accuracy rate ranging from 85% to 95% in information extraction and document classification.
- Leveraging multiprocessing, this automated solution is capable of concurrently handling up to 100 distinct documents.

Predictive Maintenance

- Conducted a Machine Learning Proof of Concept for predictive equipment maintenance.
- Undertook data collection and comprehensive data cleansing as part of the process. Employed correlation analysis for feature extraction to enhance model performance. Trained an XGBoost model to predict maintenance needs effectively.
- Integrated the system to deliver real-time alerts, demonstrating the potential of predictive maintenance. Showcased the capability of predictive maintenance in optimizing equipment upkeep and resource allocation.

Welding Defect Inspection

- Developed and implemented a multimodal welding defect inspection system.
- Utilized transfer learning techniques for model development.
- Achieved an accuracy range of 88% to 90% in defect detection and classification.

Tata Consultancy Services

SAP BODS/BO Developer, Sept 2019–Aug 2020

Department Of Posts

- Extensively worked on SAP BODS Designer Components – Jobs, Workflows, Data Flows, Formats, DataStore and Scripts using methodology for Data Extraction, transformations, loading from different modules of the project.
- Designed and developed multiple universes and reports having different functionalities like multiple Drill Down, List of Values, Universe level filters.

Tata Consultancy Services

SAP BW Functional Consultant, Nov 2018–Aug 2019

Johnson & Johnson

- Participated in detailed report design and created design specifications at report level.
- Involved in the SAP BW data reconciliation for master and transaction data.

PROFESSIONAL SKILLS

- Python, SQL.
- Generative AI , NLP libraries (spacy, openai, transformers, gensim, etc.), Computer Vision (OpenCV)
- Deep Learning and Machine Learning Algorithms (Tensorflow , Keras, Scikit-Learn, Pandas, NumPy, Matplotlib/Seaborn, Stats etc.).
- Data Visualization.

EDUCATION

- **Master's in Computer Application (M.C.A)**
Jamia Millia Islamia, 2018
- **Bachelor's in Science (Applied Computer Science)**
Kirori Mal College, University of Delhi, 2014