**Laxmidhar Routa**

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Highly motivated and skilled **Data Analyst** with **2.7 years** of experience in developing **AI/Gen AI** solutions for the business and **2.8 years** of expertise in **Business Operations**. Adept at developing Python-based applications, leveraging AI techniques to drive innovation and optimize processes. Seeking new challenges and opportunities as an **AI/ML developer** to contribute to organizational success.

**WORK EXPERIENCE**  
**Process Specialist, Infosys Ltd.**  **Nov 2021 - Present**

**LunchPad:** Implemented an LLM-powered solution for extracting and verifying candidate details, reducing manual effort and enhancing business productivity.

**Ticket Classification:** Implemented a transformer-based model to classify employee queries and automate response emails, significantly reducing the time spent on manual replies.

**Doc QA:** Developed a document QA system using Retrieval Augmented Generation (RAG) and LangChain, improving response times.

**Document AI:** Utilized transformers-based multi-modal models, achieving 98% accuracy in document classification and 95% accuracy in entity extraction, with additional language translation capabilities.

**Time series forecasting:** Employed ARIMA, SARIMAX, RNN, LSTM, and GRU techniques to accurately forecast future values, improving decision-making and strategic planning through reliable trend predictions.

**Generic OCR:** Leveraged Google Tesseract and Python libraries to extract text from images and documents efficiently.

**SOW OCR solution:** Created a Python program to extract text between headings within 10 seconds, addressing difficulties in manual section extraction from extensive documents.

**Resume Parser:** Data collection, data labeling and data cleaning.

**TECHNICAL SKILLS**

Programming Languages: Python, SQL

Frameworks: Transformers, Scikit Learn, NLTK, Haystack, Gradio, LangChain, Flask

Tools: VS Code, PyCharm, Spyder, Jupyter Notebook, Anaconda

Domains: AI, ML, Data Science, Deep learning

Libraries: NumPy, Pandas, Matplotlib, Seaborn

Skills: NLP, Artificial Intelligence, Time Series Analysis

**CERTIFICATIONS**

Infosys Certified Python Associate, Python Programmer, Data Science Professional Using Python

**EDUCATION**

Completed B. Sc. In Mathematics and Physics from Berhampur University Odisha