**Laxmidhar Routa**

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Highly motivated and skilled **Data Scientist** with **3 years** of experience in developing **AI/Gen AI** solutions for the business and **2.9 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 BPM Ltd.**  **Nov 2021 – Oct 2024**

* **LunchPad:** Implemented an LLM-powered solution for extracting and verifying candidate details, reducing manual effort, and enhancing business productivity.
* **Doc QA:** Developed a document QA system using Retrieval Augmented Generation (RAG) and LangChain and Llama-index frameworks, resulting in reducing 60% response time and 50% increase in positive feedback.
* **Document AI:** Utilized transformers-based multi-modal models, achieving 98% accuracy in document classification and 95% accuracy in key-value pair extraction, with additional language translation.
* **Automated Ticket Classification:** Implemented a transformer-based model to classify employee queries and automate response emails, resulting in reducing the 80% time spent on manual replies.
* **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:** Executed 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.

**Senior Operations Executive, AEGIS Jan 2020 – Dec 2020**

* Monitor individual and team performance, identifying and reporting concern to Operations Manager. Assist in managing team workload and optimize operations through continuous process improvement.
* Provide technical expertise, support, guidance, and mentorship to Operations Executives.

**Senior Associate, FirstSource Pvt Ltd Dec 2017 – Aug 2019**

* Collaborated with the Banking customer support team as part of the work force management (WFM) team, reporting on business performance.
* Analyzed the call data to identify areas for process improvement and presented insights to client to facilitate further business enhancement.

**SKILLS**

* **Programming Languages:** Python
* **Skills:** NLP, Artificial Intelligence, ML, Time Series Analysis, Excel
* **Frameworks:** Transformers, Scikit Learn, NLTK, Gradio, Flask, Fast API, LangChain, Llama-Index
* **Tools:** VS Code, PyCharm, Spyder, Jupyter Notebook, Anaconda
* **Domains:** AI, ML, Data Science, Deep learning, Python Developer
* **Libraries:** Pandas, NumPy, Matplotlib, Seaborn

**CERTIFICATIONS**

* Infosys Certified Python Associate, Python Programmer, Data Science Professional Using Python
* Received **Python Developer** Proficient Skill Tag

**EDUCATION**

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