A group of men smiling

Description automatically generated

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**Summary:**

Highly skilled Data Scientist with 4+ years of experience in software development, analytics, and model building. Proven ability to leverage expertise in Machine Learning, Deep Learning, and NLP to build and deploy data-driven models for business process optimization and cost reduction.

**Skills:**

* Machine Learning: ML, Deep Learning, NLP (Topic Modeling, NER, Transformers, Rasa), Computer Vision(YOLO, Pyteserract, GCV).
* Programming: Python, Django, SQL, AWS, Linux, Docker, Tensforflow, Pytorch, PHP, JS, Flask
* Data Visualization: Tableau, Metabase, MSTR
* Tools & Frameworks: MLflow, Pycaret, Airflow, Evidently, Streamlit, Sagemaker Studio, AWS, EC2, S3, GCP, CI/CD (Github action + Terraform), Cloud Build, Vertex AI
* LLM: GPT, BERT, Multimodal model finetuning using PEFT, LORA, QLORA, BitsandBytes

**Experience:**

**PharmEasy Pvt Ltd** | Mumbai, India | May 2021 - Present

* **Business Analyst**
  + Developed dashboards and ML (Vision + NLP + Recommender) models to track KPIs, facilitated process migration and improvement.
  + Built and deployed models for:
    - Route Optimization Engine for B2B delivery (saved ₹30-40 Lac per year)
    - Pharmeasy Lab Test Search Recommendation using probabilistic model.
    - Visual KYC System for onboarding retailers to retailer master using drug license.
    - Department wise customer auto issue assignment (Topic Modelling with Non-Negative Matrix Factorization).
    - Visual text extraction of SIP-TIP supplier invoices using OCR.

**Cogno AI** | Mumbai, India | Dec 2020 - May 2021

* **Django Developer**
  + Chatbot data annotation, custom logic (API + report) development, training and integration with Django application, deployment, and version migration on AWS EC2.

**Neural IT Pvt. Ltd.** | Mumbai, India | Aug 2019 - Dec 2020

* **Software Developer**
  + Contributed to core development team activities including HR management application development, code review, bug fixing, workflow management, and issue analysis.

**Education:**

* **M.Sc. - Machine Learning & AI** | Liverpool John Moores University | Liverpool, UK | June 2022 - June 2024
* **Executive Post Graduate Programme in Machine Learning and Artificial Intelligence** | IIIT Bangalore | Bangalore | June 2022 - August 2023
* **B.Sc. - Information Technology** | Model College Thakurli, Mumbai University | Mumbai, India | June 2016 - June 2019

**Additional Information:**

* There are other projects, I worked on as part of my academic task and those are Image captioning (Using attention), Gesture recognition (Conv3D and Conv2D+LSTM), Disease and Treatment detection (NER). Currently I am researching on Visual Question Answering Multimodal.