Shivam Jalandhari
Data Analyst

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AI and Data Science professional with expertise in Machine Learning, Deep Learning, Generative AI, NLP, and Computer Vision. Skilled in Python, SQL, LLMs, RAG, Cloud (GCP, AWS), ETL, and Big Data. Adept at designing AI-driven solutions, predictive models, automation, scalable APIs, and data analytics applications to drive business growth and optimize decision-making.

Skills

Programming & Data Handling: Python (NumPy, Pandas), SQL

Data Science & Machine Learning:

- Statistics, Exploratory Data Analysis (EDA), Machine Learning, Deep Learning

- NLP, Computer Vision (Object Detection, Image Classification, OCR)

- Generative AI (LLMs, RAG, FAISS, LangChain, LlamaIndex, Embeddings, LLaMA Fine-tuning)

Big Data & Cloud: Google Cloud (BigQuery, Cloud Functions), AWS (S3), Oracle Cloud(Compute).

Data Engineering & ETL: ETL Pipelines, Data Pipelines, Web Scraping.

APIs & Automation: Flask, FastAPI, Streamlit, REST API, Docker, GitHub Actions.

Data Visualization: Power BI, Tableau.

Experience

Data Analyst
AnsCommerce (A Flipkart Group Company)

03/2024 - Present
Gurugram

* Engineered Generative AI APIs for Google keyword suggestions, Facebook ad group creation, creative banner content generation, and automated product descriptions.
* Designed an RTO (Return to Origin) prediction model for existing customers, achieving 90% precision.
* Implemented a content-based recommendation system to improve product discovery.
* Developed a data reconciliation pipeline with a web app, automating tasks and saving 6 work hours daily.
* Constructed ETL pipelines for ingesting 700M+ rows from S3 to BigQuery and MySQL to BigQuery.
* Created a web scraper to extract product details from seller-uploaded IDs, streamlining website integration.
* Devised a tiny URL service for link shortening, enhancing user experience, and tracking efficiency.

Data Science SME
GYPR PVT LTD

01/2023 - 08/2023
Delhi

* Evaluated complex datasets from multiple sources to uncover insights and resolve business challenges.
* Designed and deployed machine learning and deep learning models tailored to business requirements.
* Led a team of six freshers, mentoring them in ML, SQL, Tableau, and problem-solving.
* Spearheaded stakeholder communication to address business challenges, improving team efficiency by 1.5x.
* Contributed to backend development for Equipmedi during a one-month tenure, supporting product development.

Data Science Intern
Aiyuga Algorithms

01/2022 – 07/2022
WFH

* Applied ML and DL techniques to solve diverse company challenges.
* Refined structured and unstructured datasets to improve data quality for model training.
* Enhanced model accuracy by 2.4% through effective preprocessing and optimization.

Projects

AI Interviewer | Python, LLMs, Llama Index, RAG, Flask
* Designed an AI-powered interviewer to automate candidate evaluations based on resumes and job descriptions.
* Optimized cost and performance by downgrading from GPT-4 to GPT-3.5, reducing expenses while improving speed and efficiency.
* Embedded cheating detection mechanisms to maintain assessment integrity

Handwritten OCR | Python, OCR, Deep Learning, Transformers
   ∗ Engineered an OCR model for handwritten text recognition.
   ∗ Fine-tuned vision transformers to improve recognition of cursive and printed handwriting.

MangaTranslator | Python, Flask, ML, YoloV8, PyTesseract, Googletrans, Dockers
   ∗ Developed a Manga Translator enabling multilingual content adaptation.
   ∗ Trained a YOLOv8 model to detect and extract text within manga images accurately.
   ∗ Implemented PyTesseract and Googletrans for efficient text extraction and translation.
   ∗ Built a Flask-based web app for seamless image/PDF translation, deploying it via Docker.

Employee Churn Prediction and Deployment | Python, Flask, ML, Dockers, Optimization, Github Actions, Amazon EC2, CI-CD - Project link - [Link](#)
   ∗ Analyzed employee data to predict attrition, helping HR mitigate workforce turnover.
   ∗ Developed a churn prediction model using ML and deployed it via a CI-CD pipeline on AWS EC2 with GitHub Actions.

Customer Analytics | Python, EDA, Unsupervised, Clustering, Classification, Customer Segmentation -Project link - [Link](#)
   ∗ Examined 541,909 invoices to identify customer purchasing patterns.
   ∗ Applied clustering and classification to achieve 100% accuracy in predicting customer segments.
   ∗ Generated insights to refine marketing campaigns and align strategies with customer preferences.

Education

Bachelor of Science (Computer Science, Mathematics, Physics)   2017 - 2020
Hemvati Nandan Bahuguna Garhwal University (Central University)   **Srinagar Uttrakhand**,

Courses and Certification

Data Science and AI Certification   2020 – 2021