Aparna Sunil

Generative AI & Model Evaluation Associate

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Cochin, Kerala

Aparna Sunil

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Education

Master of Computer Application (New)
Delhi University
2024 – present | New Delhi, India

BSc Mathematics
Mahatma Gandhi University
2020 – 2023

Skills

Machine Learning & AI
- LLM Evaluation & Optimization, Generative AI & AI-Powered Text Generation, AI Model Performance Analysis & Fine-Tuning, Feedback Analysis for AI Models, Deep Learning & Transfer Learning, NLP (Natural Language Processing)

Linguistic & Writing Proficiency
- AI Content Evaluation & Refinement, Grammar, Syntax & Sentence Structuring, Data Annotation for NLP Models, Editing & Proofreading AI-Generated Text, AI-Powered Text Generation & Evaluation, Technical & Analytical Writing, Linguistic Data Curation

Data Science & Analytics
- Data Analysis & Predictive Modeling, Exploratory Data Analysis (EDA), Data Visualization (Power BI, Matplotlib, Tableau), Market Research & Trend Identification

Programming & Tools
- Python (Pandas, NumPy, Scikit-learn, TensorFlow, OpenCV, YOLO, CNN), SQL, Jupyter Notebook, Power BI, Excel (Pivot Tables, VLOOKUP, Macros)

Business Analysis & AI Evaluation
- Stakeholder Needs Documentation, Business Trend Identification, Workflow Optimization & Process Analysis, Cross-Functional Collaboration

Soft SKills

- Technical Writing & Editing
- AI Content Evaluation & Annotation
- Grammar & Syntax Analysis
- Research & Data Interpretation
- Logical & Linguistic Reasoning
- Problem Diagnosis & Resolution
- Stakeholder Communication
- Workflow Optimization
- Cross-Functional Collaboration

Certificates

- National Council For Technology And Training
- HackerRank SQL (Advanced) Certification

Professional Experience

Business Research Analyst
Turing
2024 – present | California, U.S
- Evaluated AI-generated responses for accuracy and coherence, enhancing linguistic quality and achieving an 18% boost in overall model performance through systematic analysis of output inconsistencies.
- Created and refined **training datasets**, ensuring better alignment with **human values and linguistic norms**.
- Conducted **bias and consistency analysis** on **LLM outputs**, reducing content errors by **20%**.
- Enhanced **AI workflow efficiency**, leading to a **30% reduction in processing time**.
- Managed AI prompts and **evaluated model outputs**, improving **task relevance and accuracy by 25%**.

Junior Data Scientist
Luminar technohub
2023 – 2024
- Optimized **large-scale datasets** using **Apache Spark**, reducing data processing time by **50%**.
- Devised **machine learning models** for **object detection (CNN, YOLO, OpenCV)**, increasing accuracy by **20%**.
- Spearheaded the creation of engaging Power BI visualizations showcasing key metrics which directly influenced project outcomes, identifying three major areas for operational improvements through targeted analytics.
- Improved **data preprocessing pipelines**, increasing **efficiency by 30%** using **Python (Pandas, NumPy)**.
- Built and deployed **deep learning models (TensorFlow, Keras, Scikit-learn)**, achieving a **15% boost in accuracy**.

Projects

Good reads book rating using Machine Learning
- Analyzed **10,000+ books**, examining **ratings, genres, and reviews** to uncover user behavior patterns.
- **Engineered** a **recommendation system**, increasing **user engagement by 25%**.
- Improved **rating prediction accuracy by 15%** using **machine learning models**.

AI-Powered Market Trend Analysis & Demand Forecasting
- Devised a **forecasting model** using **Power BI and statistical techniques**, improving prediction accuracy by **20%**.
- Analyzed **market patterns and consumer trends** to enhance demand estimation, increasing accuracy by **15%**.
- Designed **interactive dashboards** to visualize key performance indicators, reducing manual reporting time by **30%**.
- Delivered insights that informed strategic decisions, leading to a **10% improvement in business outcomes**.

LLM Model Evaluation & Enhancement (Apple Project)
- Assessed **AI-generated responses** for **clarity, coherence, and contextual accuracy**, improving response quality by **18%**.
- Reviewed and refined **grammar, syntax, and linguistic structures**, ensuring alignment with language standards.
- Provided structured feedback to enhance **training datasets**, increasing model accuracy by **20%**.

Data Pipeline & Ingestion Optimization (Personal Project)
- Formulated a **data ingestion pipeline** using Python & SQL, improving processing efficiency by 30%.
- Created **structured ingestion files** for AI modeling, ensuring **data consistency and compliance.**