

Resume

Name : **Anil Kumar**

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- **3+ year of experience** in Data Science
- Wide range of experience working with **Tabular, Text, Image and Audio Data**

Experience:-

ROUND CIRCLE : Data Scientist Consultant- Jun 24 - Aug 24

Skills : Chatbot | LLM | Rag | Python | Pinecone | Gpt-4o | Langchain

- Created an extensive tool classification framework by leveraging data from various platforms like GetApp, Software Advice, and TrustRadius, structuring tools into L1 and L2 hierarchical categories to optimise searchability and facilitate discovery
- Built a vector database with AWS MemoryDB for efficient context retrieval in a Retrieval Augmented Generation (RAG) system, enabling accurate and relevant answers to user queries about software tools.
- Implemented an LLM-powered system using GPT-4 for response generation, leveraging context from the vector database. Initial stages involved Llama3 (Groq) and ChromaDB.

Olx India : Associate Data Scientist - Apr' 21 - Oct' 23

Skills : Image, Data, Computer Vision, Deep Learning, CNN, AWS, GIT

- Developed a DL based face extraction model for photos and IDs, and a face similarity model to match faces on photos with IDs. Results Achieved ~95% accuracy in face detection and 80% accuracy in the face similarity model. Models were used for pre-filling in KYC moderation, resulting in a 37% improvement in moderator efficiency
- Contributed in building a CNN based classifier to classify car engine noises using Mel spectrograms from audio input, with an accuracy of 82%
- Contributed in developing car Image enhancement with multiple models : - car part classification and damage detection model (Faster RCNN), car masking model (pointrend and U-NET)

Automated Intelligent Pricing (AIP) for cars in India:

Skills : Tabular data, EDA, Machine Learning, Statistical Analysis

- Performing EDA and getting insight out of car w.r.t MMTYL and Price with visualisation of graphs and charts using Statistical Analysis
- Generate catalogue mapping for India, Indonesia by mapping car data from various sources
- For IN, developed cat-boost model : 82% accuracy with transactional price, (~20% error) with near 100% coverage in all Make Model Trim Year and Location

Olx India : Internship

Dec'19 - Apr'21

Skills : Python, SQL, Textual Data, Text Mining, NLP, EDA, hypothesis testing

- Contributed in building a two-way smart reply chatbot leveraging Bi-LSTM for dynamic multi-way communication
- Successfully Achieved ~85% coverage on seller-side messages with accuracy as 95% and adoption rate ~22% by users on Olx Classified
- First response rate increased by 6% and overall response rate increased by 5%

Education :-

- B-tech in Civil Engineering (**IIT Kharagpur**) passout year 2019 with a grade of 7.8/10

Skills :-

- **Python | SQL | LLMs | RAG | LangChain | Vector Database | Deep Learning (Transformers) | Chatbots | AWS**