Komal Pachupate

+91 7507991335 | pachupatekomal96@gmail.com | Pune, Maharashtra
[Github](#) | [Linkedin](#)

SUMMARY

I am a Data Scientist with 2+ years specializing in logistics optimization and business performance. Proficient in Machine Learning (including Gen AI - RAG), Python (Pandas, NumPy), and SQL. Expertise in RAG, data analysis, EDA, and automation to drive data-driven solutions, enhance process efficiency, and support strategic planning. Skilled in data visualization using Power BI.

EXPERIENCE

Data Scientist: Networth Corp, Bangalore   *Feb 2023 – Aug 2024*

- Utilized Machine Learning, Python, and Data Analysis to extract valuable insights and deliver data-driven solutions, enhancing process efficiency and driving informed decision-making.
- Applied **Retrieval-Augmented Generation (RAG)** techniques to extract and process text from documents, generate embeddings, and conduct cosine similarity calculations for newsletter-related data.
- Used vector databases to perform content-based retrieval, searching for information based on its substance, which is relevant for unstructured data like text in newsletters.
- Conducted exploratory data analysis (EDA) to identify key trends and insights, supporting strategic planning and business growth.
- Skills: Python, SQL, Machine Learning, Gen AI **- RAG** etc.

System Engineer AI/ML: Harrier Information Technology, Nagpur   **Jun 2022 - Dec 2022**

- Extracted text from PDFs using Python, AWS, and machine learning techniques, leveraging NLP, Pandas, and NumPy for advanced data preprocessing.
- Processed and analyzed large datasets using Python libraries such as Pandas and NumPy, enabling comprehensive data analysis and improved decision-making.
- Automated data extraction and analysis processes, reducing manual effort and increasing productivity by 30%.
- Skills: Python, Data Analysis, Pandas, NumPy, Machine Learning, NLP text extraction.

SKILLS

- Machine Learning & Forecasting - Supervised Learning and Unsupervised Learning
- Gen AI – Finetuning LLM, RAG, Prompt Engineering, AI Agents
- Python - Data Cleaning, Data Analysis, Feature Engineering, Numpy, Pandas, Sklearn, Matplotlib, Seaborn, Streamlit, flask API
- NLP: Text Preprocessing, NLTK, Spacy, Text classification
- Data Analyst: Excel, SQL, Power BI
- Deep Learning: CNN, RNN, LSTM Statistical Analysis
- Github, Jira, Trello

EDUCATION

- Bachelor's in electrical engineering Shivaji University Kolhapur with distinction. (2014 – 2018)
- HSC: Maharashtra State Board with distinction (2012 - 2014)
- SSC: Maharashtra State Board with High Distinction (2012)

CERTIFICATIONS

- "Machine Learning and AI Analyst" from Symbiosis Skill and Professional University, Pune (Dec 20 – May 21)