Ref. No : **AF/AI-ML Eng/2024/JD/01**

Detailed Job Description

Job title	:	AI/ML Engineer
Reporting to	:	Team Lead
Salary	:	Industry par CTC
Hours	:	Full time
Location	:	Hebbal office, Bangalore.

About Us: Acufore is a pioneering leader in Engineering (Mechanical, Plant, and Electronics), Software Development, and Analytics, dedicated to crafting innovative solutions that drive operational excellence and empower decision-making with impactful insights. Join us to be part of a mission where data drives strategic advantage.

Job Brief

We are seeking an experienced AI/ML Engineer to design, develop, and deploy AI/ML powered solutions. The ideal candidate will be proficient in building chatbots, recommendation systems, predictive models, and statistical analysis tools. You will work collaboratively with cross-functional teams to create data-driven solutions that drive business impact.

Job Description
Key Responsibilities:

- **AI Solution Development:**
  Design and build scalable AI solutions such as chatbots, recommendation engines, and predictive models.
- **Model Deployment:**
  Implement and deploy machine learning models into production environments, ensuring scalability and efficiency.
- **Data Analysis and Processing:**
  Conduct in-depth data analysis and preprocessing, including handling large datasets and ensuring data quality.
- **Statistical Modelling:**
  Develop and apply statistical models to identify patterns, trends, and insights from complex data.
- **Collaboration:**
  Work closely with data scientists, software engineers, and product managers to integrate AI solutions into products and services.
- **Performance Optimization:**
  Monitor and refine model performance through iterative processes, including hyperparameter tuning and validation.

Document Format: AF/Sales/P02

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- **Documentation and Reporting:**
  Maintain comprehensive documentation of processes, models, and solutions. Present findings and solutions to stakeholders.

Academic & trades qualifications

Bachelor's or Master's degree in Data Science, Statistics, Mathematics, Computer Science, or a related field.

Work experience & skills

- **Experience:** 3-5 years of experience in AI, data science, machine learning, or a related field.

- Proficiency in programming languages such as Python or R

- Hands-on experience with NLP tools and libraries (spaCy, NLTK, GPT models).

- Familiarity with machine learning frameworks (e.g., Scikit-learn, TensorFlow, PyTorch).

- Experience with data visualization tools (e.g., Tableau, Power BI, Matplotlib).

- Strong understanding of statistical analysis and hypothesis testing using SAS/SPSS

- Excellent problem-solving skills and the ability to work with large data sets.

- Strong communication skills to present complex data insights to diverse audiences.

Preferred Qualifications:

- Experience with big data technologies (e.g., Hadoop, Spark).

- Experience in building statistical models using SAS/SPSS

- Knowledge of cloud platforms (e.g., AWS, Azure, Google Cloud).

- Familiarity with database querying languages (e.g., SQL and Alteryx).

- Data Processing: Pandas, NumPy

- NLP: NLTK, Textblob, Polyglot, BERT, spaCy

- Generative AI: GPT 3, GPT 4, Llama, Gemini, Langchain, Retrieval Augmented Generation (RAG), LLM

- Web scraping: Beautifulsoup, Selenium, Octoparse or Scrapy

- Visualization: Matplotlib, Seaborn, Tableau/Power BI

- Deployment: Docker, Kubernetes, Flask/FastAPI

- Collaboration: Git, JIRA

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