

## **Job Description: Junior AI & Machine Learning Engineer**

### **Company Overview**

We are a dynamic technology company focused on leveraging artificial intelligence and machine learning to drive innovation and solve complex business challenges. Join our team to contribute to cutting-edge projects in a collaborative and growth-oriented environment.

### **Position: Junior AI & Machine Learning Engineer**

**Location:** [Vijayawada, Andhra Pradesh]

**Employment Type:** Full-Time

**Experience Level:** Entry-Level (0-2 years of experience)

### **Job Summary**

We are seeking a motivated Junior AI & Machine Learning Engineer to join our team. The ideal candidate will assist in developing, testing, and deploying machine learning models and AI solutions under the guidance of senior engineers. This role offers an opportunity to grow your skills in AI/ML while contributing to impactful projects.

### **Key Responsibilities**

- **Model Development:** Assist in designing, developing, and implementing machine learning models and algorithms to solve business problems.
- **Data Preparation:** Collect, clean, and preprocess data for training and testing machine learning models.
- **Collaboration:** Work closely with senior AI/ML engineers, data scientists, and cross-functional teams to understand project requirements and deliver solutions.
- **Model Evaluation:** Evaluate model performance using appropriate metrics and iterate on models to improve accuracy and efficiency.
- **Code Quality:** Write clean, efficient, and well-documented code in Python or other relevant programming languages.
- **Research:** Stay updated on the latest AI/ML trends, tools, and frameworks to contribute innovative ideas to the team.
- **Deployment Support:** Assist in deploying models to production environments and monitoring their performance.
- **Documentation:** Document processes, model architectures, and experiment results for transparency and reproducibility.

## Required Qualifications

- **Education:** Bachelor's degree in Computer Science, Data Science, Engineering, Mathematics, or a related field.
- **Technical Skills:**
  - Proficiency in Python and familiarity with libraries such as TensorFlow, PyTorch, scikit-learn, or Keras.
  - Basic understanding of machine learning concepts (e.g., supervised/unsupervised learning, regression, classification, clustering).
  - Experience with data manipulation tools (e.g., Pandas, NumPy) and data visualization (e.g., Matplotlib, Seaborn).
  - Familiarity with version control systems like Git.
- **Problem-Solving:** Strong analytical and problem-solving skills with a passion for learning and tackling challenges.
- **Communication:** Good verbal and written communication skills to collaborate with team members and present findings.

## Preferred Qualifications

- Experience with cloud platforms (e.g., AWS, Google Cloud, Azure) for model training or deployment.
- Knowledge of deep learning concepts and frameworks.
- Familiarity with big data tools (e.g., Hadoop, Spark) or databases (e.g., SQL, NoSQL).
- Contributions to open-source projects or personal AI/ML projects (e.g., GitHub portfolio).
- Understanding of software development principles and agile methodologies.

## What We Offer

- Competitive salary and benefits package.
- Opportunities for professional growth and mentorship from experienced AI/ML professionals.
- Collaborative and inclusive work environment.
- Access to cutting-edge tools and technologies.
- Flexible work arrangements (remote/hybrid options, if applicable).

**How to Apply**

Please submit your resume, a cover letter, and any relevant portfolio or GitHub links to [application email/link]. We are excited to review your application and explore how you can contribute to our AI-driven future!

*Note: We are an equal opportunity employer and value diversity in our workplace.*