**Job Description & Job Code SE-AP-IN-03**

**Title: ML & AI Engineer - Data Science Practice**

**Location: Bangalore**

At Limendo, our people & technology enable business innovation. We've established ourselves as a leading employer in Bolzano and are now turning our heads to Bengaluru. We're looking for a highly skilled software engineer(s) to join our data science practice & technology team. Our ideal candidate will have expert knowledge of software development processes and solid experience building, testing and deploying ML applications in cloud. If finding issues and fixing them with beautiful, meticulous code are among the talents that make you tick, we'd like to hear from you.

**Objectives of this Role**

- Contribute to development and engineering, testing and deployment of AI algorithms, machine learning applications and deep learning systems.
- Perform relevant data analysis. Run machine learning tests and experiments. Train, test and verify ML models to comply with agreed performance and accuracy.
- Translate user requirements or solutions to business problems and participate across the lifecycle of solution  i.e., technical design, estimating effort required for development and testing of artificial intelligence applications, machine learning or deep learning systems, determining appropriate algorithms and libraries for use as well as extension of libraries to accomplish acceptable solution for business, running tests and experiments including identifying appropriate data, retraining systems.
- Integrate with new or existing flows, systems and software.
- Study and transform data science prototypes
- Design machine learning systems
- Research and implement appropriate ML algorithms and tools
- Develop machine learning applications according to requirements
- Select appropriate datasets and data representation methods
- Run machine learning tests and experiments
- Perform statistical analysis and fine-tuning using test results
- Train and retrain systems when necessary
- Extend existing ML libraries and frameworks
- Keep abreast of developments in the field

- Adopt best practices produce high quality deliverables and make decisions that always lean towards ethical application of AI/ML development and deployment for both the business and clients.

**Daily and Monthly Responsibilities**

- Building out our adaptive learning capabilities, algorithms and systems.
- Create machine learning systems using analytics, performance and monitoring, running tests and experiments as required.
- Implementing changes and updates dependent on tests and analysis accordingly.
- Deploy forecasting/other algorithms.
- Analyzing the ML algorithms that could be used to solve a given problem and ranking them by their success probability.
- Understanding business objectives and developing models that help to achieve them, along with metrics to track their progress.
- Exploring and visualizing data to gain understanding, then identify differences in data distribution that could affect performance for deploying the model in the real world.
- Defining the preprocessing or feature engineering to be done on a given dataset
- Implement Machine Learning Engineer frameworks and initiatives.
- Deploying models to production.
- Be familiar with big data analytics and have experience in neural networks.
- Technologies: Python [tensorflow, NLTK, PySPARK, …], R, matlab,
- Data Analysis: Generalized Linear Models, Logistic Regressions, Boxplots, ARIMA Models, K-Means, Clustering, …
- Server & Databases: SQL, MSQL, MySQL, NodeJS Server, PostgreSQL, MongoDB, Firebird

**Skills and Qualifications**

- Bachelor's degree in computer science software engineering or information technology

- Specialization in machine learning, artificial intelligence or data science certification, preferably with capstone project and deployment experience.
- 2 - 9 years of experience engineering software and platforms/no-code
- Experience designing and implementing ML based applications and systems, including past experience in distributed software systems (e.g Java/C++/Python/R).
- Experience with machine learning frameworks, libraries and Agile environments. (like Keras or PyTorch) and libraries like scikit-learn)
- Knowledge of data science, data structures and modeling, software engineering and architecture, statistics and programming.
- Research or Industry experience in Artificial Intelligence, Machine Learning (ML) models, ML infrastructure, Natural Language Processing or Deep Learning.
- Experience in building, deploying, and improving Machine Learning models and algorithms in real-world products