

Job Role: Senior Architect AI/ML

Experience: 10+ years

Preferred Qualifications :

- BE / B Tech / MCA / MSc / ME / M Tech or related field
- Experience working with relational and NoSQL/Graph databases
- Familiar with Major ML frameworks such as Tensorflow, Pytorch and Transformers
- Ability and willingness to multi-task and learn new technologies quickly.

Minimum Qualifications :

- Strong background in AI/ML algorithms
- Experience in implementing and deploying Machine Learning solutions (using various models, such as Linear/Logistic Regression, Support Vector Machines, (Deep) Neural Networks, Hidden Markov Models, Conditional Random Fields, Topic Modelling, etc.)
- At least 5 years hands-on experience with: data modelling and data engineering, feature engineering, model lifecycle management supervised and unsupervised deep learning algorithms such as convolutional neural networks, recurrent neural networks, gated recurrent units
- Working in data analysis, modelling, and visualization packages in TensorFlow, Kera, Pytorch, Caffe, and Theano
- Experience with Natural Language processing RNN and Transformer models.
- Extensive background in statistical analysis and modelling (distributions, hypothesis testing, probability theory, etc.)
- Programming modern parallel architectures (e.g., GP-GPUs using CUDA framework
- Strong hands-on experience with statistical packages and ML libraries (e.g. R, Python scikit learn, Spark MLlib, etc.)
- Experience in effective data exploration and visualization
- Ability to work in cross functional teams
- Excellent written and verbal communication skills in English; the ability to convey your message to team members and other stakeholders

Responsibilities

- Design and implement efficient, fault-tolerant Machine Learning workflows for processing high-velocity, heterogeneous data in a production environment, including optimization of ML workflows for CPU & GPU processing
- Suggest, collect and synthesize requirements and create effective features.
- Apply research methodologies to identify the Machine Learning models for the problem at hand.
- Provide Architectural and Tech leadership in the ML team.
- Manage the full lifecycle of Machine Learning microservices, including model prototyping, training & evaluation, containerization, unit testing,

performance optimization, and deployment in a Kubernetes-based infrastructure.

- Independently design and undertake new research as well as partner in a team environment across organizations.

Interested candidates may send their Resume and ID proof Aadhar / PAN copy in .pdf version to careers.tnega@tn.gov.in with Subject line as “ **Job Role: Senior Architect AI/ML ; <Total Years of Exp>**”.