

Job ID : CEET13

Work Location : Chennai

Role : AI/ML ENGINEER → COMPUTER VISION/NLP/MLOPS

Monthly CTC : Upto 1.5 Lakhs

Qualification

- ✓ BE / B Tech / MCA / MSc / ME / M Tech in Computer Science/Information Technology/Quantitative field such as Statistics, Operations Research, Mathematics etc., or related field.
- ✓ 3–5 years of experience in the field of AI/ML

Computer Vision Skills

- ✓ Design end-to-end Computer Vision system architectures (for ML)
- ✓ Develop, optimize, evaluate, deploy and maintain ML models such as object detectors and object classifiers.
- ✓ Design, develop and maintain infrastructure for ML model training and evaluation.
- ✓ Design, develop, test, deploy, maintain and improve ML models/infrastructure and software that uses these models.
- ✓ Analyze field data to identify areas of possible improvement or enhancement of ML solutions.
- ✓ Hands-on experience in building, deploying, and improving Computer Vision and Machine Learning models and algorithms
- ✓ Knowledge in image processing, object classification and detection, object tracking
- ✓ Working knowledge in pretrained ML architectures (eg, ResNet, MobileNet, YOLOv5, etc)
- ✓ Experience with database management
- ✓ Extensive data modeling, preprocessing and data architecture skills
- ✓ Build Data Pipelines & Platform to operationalize Machine Learning (ML) models at scale

Natural Language Processing Skills

- ✓ Designing and developing NLP applications
- ✓ Using effective text representation techniques and classification algorithms
- ✓ Proven experience as an NLP Engineer or similar role
- ✓ Understanding of NLP techniques for text representation, semantic extraction techniques, data structures and modeling
- ✓ Working knowledge on pretrained NLP Models (ULMFiT, Transformer, BERT etc)
- ✓ Ability to effectively design software architecture

- ✓ Deep understanding of text representation techniques (such as n-grams, bag of words, sentiment analysis etc), statistics and classification algorithms
- ✓ Chatbots – Knowledge on building chatbots using RASA or any opensource framework.

MLops Skills:

- ✓ Wide experience with Kubernetes or in any containerization.
- ✓ Experience in operationalization of Data Science projects (MLOps) using at least one of the popular frameworks or platforms (e.g. Kubeflow, AWS Sagemaker, Google AI Platform, Azure Machine Learning, DataRobot, DKube).
- ✓ Good understanding of ML and AI concepts. Hands-on experience in ML model deployment.
- ✓ Proficiency in Python used both for ML and automation tasks. Good knowledge of Bash and Unix command line toolkit.
- ✓ Experience in CI/CD/CT pipelines implementation (GitHub Actions, Jenkins)
- ✓ Experience in Workflow scheduling tools like Apache Airflow
- ✓ Monitoring Data Pipelines like GitHub/Gitlab.
- ✓ Knowledge on Infrastructure Provisioning using Terraform.
- ✓ Experience with cloud platforms - preferably AWS - would be an advantage.

Technical Skills

- ✓ Proficiency with a deep learning framework such as TensorFlow, Keras or PyTorch) and libraries (like scikit-learn, Pandas and Numpy)
- ✓ Understanding of data structures, data modeling and software architecture
- ✓ Proficiency with Python and basic libraries for machine learning.
- ✓ Proficiency with IDEs – Jupyter Notebook, Spyder, Anaconda environments.
- ✓ Proficiency in Transformers and Transfer Learning.
- ✓ Expertise in visualizing and manipulating big datasets
- ✓ Familiarity with Linux (Centos and Ubuntu)
- ✓ Proficiency using SQL (MySQL, PostgreSQL, MongoDB)
- ✓ Ability to select hardware to run an ML model with the required latency
- ✓ Excellent communication skills
- ✓ Ability to work in a team
- ✓ Outstanding analytical and problem-solving skills

Responsibilities

- ✓ Study and transform data science prototypes
- ✓ Design machine learning systems
- ✓ Select appropriate datasets and data representation methods
- ✓ Run machine learning tests and experiments
- ✓ Train and retrain systems when necessary
- ✓ Experience with Git based version control
- ✓ Extend existing ML libraries and frameworks
- ✓ Keep abreast of developments in the field
- ✓ Research and implement MLOps tools, frameworks and platforms for our Data Science projects.
- ✓ Work on a backlog of activities to raise MLOps maturity in the organization.

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