**What you will do**

* Understand the goals of our customers preferably in the insurance industry and identify opportunities to extract meaningful features and insights from structured and unstructured data such as claim notes, medical records, Images, pdfs.
* Prototype and build end-to-end analysis pipelines, from initial data gathering and exploratory analysis to architecting and developing predictive models, writing documentation, presenting results.
* Make code ready for production and build stable and efficient scoring pipelines that integrate with our applications.
* Contribute to the advancement of analytical Models/natural language processing at WNS by evaluating and evangelizing new algorithms, tools, and processes.
* Work with engineering, product teams, and subject matter experts to coordinate planning and execution on projects.
* Have impact through explainable and actionable AI that drives a great user experience.
* Enjoy being a part of WNS’s culture of innovation, respect, and camaraderie.

**What we are looking for**

* 5 to 8 years of practical experience in predictive analytics and natural language processing, plus a strong academic background (preferred Ph.D. or MS in machine learning related area).
* 4+ years of experience with end-to-end data science pipelines - data ingestion, processing, machine learning model training and scoring
* Experience in the property and casualty insurance industry is a plus.
* Hands on experience with text preprocessing, named entity recognition and entity linking, topic modeling, document classification, and summarization.
* Knowledge of advanced natural language processing techniques and algorithms including LSTM, RNN, CNN, and embeddings such as BERT.
* Ability to assess the pros and cons of different NLP methods and algorithms, break problems down into standard tasks and prototype quickly.
* Experience with scikit-learn and pandas; preferably also PySpark, Tensorflow, Pytorch, MLFlow, and NLP packages like spaCy and NLTK, Huggingface.
* Proficiency in Python/SQL for data science applications.
* Diligence in coding and willingness to contribute to the rapidly evolving Data Science infrastructure at WNS.
* Strong communication skills with both technical and non-technical audiences.
* Proactiveness in raising issues and improving models, pipelines, and processes.
* Collaborative team spirit, excited about brainstorming together towards new AI solutions for WNS products.
* Passion for the product and going the extra mile to bring subject matter expertise and practical intuition to machine learning models.