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Research Engineer NLP-ML

[Predii](#) is a specialized Enterprise AI software company based in Palo Alto, CA and Pune, India. Our validated AI platform has been purpose-built to extract predictive and prescriptive insights from unstructured textual, sensor, and procedural data in the automotive aftermarket and service business. Predii is currently processing 2+ billion historical repair jobs monthly. Our 8+ years NLP and domain expertise enable industry leading companies to leverage previously unused data to increase aftersales revenue, empower quality management, drive product innovation, and support data-driven decision-making strategies.

Predii has been recognized by Gartner, ABI Research, and the Industrial IoT Solutions World Congress for our focus in Applied AI in repair and maintenance.

About This Role

As a part of your daily duties, you will be working on the Predii platform including microservices, REST APIs, machine learning and NLP libraries, customized algorithms, and NoSQL datastores. You are expected to be involved in processing, cleansing and verifying the integrity of data used for analysis. Your role would be that of an individual contributor who will be expected to take ownership of design and develop algorithms, maintain, develop, and improve ML models and software used in these models. You would also support in building libraries and framework that support large complex web applications. You will also use your programming skills and contribute to engineering efforts from planning to execution in development of efficient, scalable, distributed solution to real world problems.

As a member of the engineering team at Predii, you will be working with cross-functional teams, customers and open-source communities. You will have the opportunity to take part in building new industry-changing services in our portfolio and participate in state-of-the-art research in AI and ML.

Basic Qualifications

- Bachelor's/Master's in Computer Science/IT/Data Science or related fields or PhD in NLP/ML (one who have submitted their thesis is eligible to apply)
- 2-3+ years of professional experience in production environment. For PhD holders, working experience in a relevant lab setting coupled with top-tier publications (A/A*) would waive the professional experience requirement
- Excellent knowledge of Computer Science fundamentals (Algorithms, Data Structures, Operating system)
- Good Programming skills (at least one of Python/Java)
- Experience in data analysis libraries such as Pandas
- Experience with machine learning frameworks (like Keras or PyTorch) and libraries (like scikit-learn)
- Experience in machine learning, supervised and unsupervised: Forecasting, Classification, Data/Text Mining, Decision Trees, Adaptive Decision Algorithms, Random Forest, Search Algorithms, Neural Networks, Deep Learning Algorithms

PREDII INDIA PRIVATE LIMITED

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- Experience in statistical learning: Predictive & Prescriptive Analytics, Regression, Time Series, Topic Modeling
- Experience with big data analytics - identifying trends, patterns, and outliers in large volumes of data
- Basic understanding of Gradle/Maven, Git, Jira, and Confluence

Preferred Qualifications

- Previous exposure to vector representation of texts such as TF/IDF, Word2Vec, Glove, BERT, etc
- Knowledge of deep learning fundamentals (theory + implementation) like RNN, LSTM, CNN, Attention, seq2seq models, etc.
- Knowledge of NLP fundamentals like n-gram/BoW, NER, POS, semantics, syntax, language models, etc.
- Prior exposure to working with unstructured data and clustering algorithms
- Expertise in NLP libraries such as Spacy, NLTK, etc
- Prior exposure / Knowledge of NoSQL distributed datastores like Elastic Search, MongoDB, HDFS, etc

Job Perks

- Competitive Salary
- Working on cutting edge technologies in big data analytics.
- Opportunity to travel to the USA for client interaction, conferences.
- Opportunity to interact and learn from top researchers in NLP/ML

Please send your resume at jobs@predii.com