

## MACHINE LEARNING ENGINEER - *leveraging +5 years of experience*

Innovative Machine Learning Engineer with 5+ years of experience in application design, development, testing, and deployment. Highly experienced in writing codes and algorithms as well as building complex neural networks through various programming languages, Possess an unbridled passion for machine learning with comprehensive knowledge of machine learning concepts and other related technologies. Unmatched abilities to identify, understand, and translate program requirements into sustainable, advanced technical solutions through C#, C++, JavaScript, Python, and other programs for continuous improvement of AI technologies.

### PROFILE SUMMARY

- Experienced in python data manipulation for loading and extraction as well as with python libraries such as NumPy, SciPy and Pandas for data analysis and numerical computations.
- Proficient in machine learning and deep learning skills for multiple applications including Computer Vision, Recommendation Systems and Natural Language Processing
- Strong coding ability both in producing clean and efficient code as well as debugging and understanding large code bases
- Extensive hands-on experience and high proficiency with structures, semi-structured and unstructured data, using a broad range of data science programming languages and big data tools including R, Python, Spark, SQL, Scikit Learn, Hadoop Map Reduce
- Highly skilled in using pandas, NumPy, Seaborn, SciPy, matplotlib, sci-kit-learn, NLTK in Python for developing various machine learning algorithms.

### CORE COMPETENCIES

- Data and Quantitative Analysis
- Machine Learning Algorithms
- Predictive Modeling
- Predictive Modeling
- Clustering Models
- Data Structures

### PROFESSIONAL EXPERIENCE

#### Bellurbis LLC, Greater Noida

Jan. 2019 – Oct. 2021

##### Machine Learning Engineer

- Developed and evaluated algorithms using machine learning and statistical modelling techniques to increase performance, quality, data management, and accuracy.
- Worked with Adobe's research teams to take cutting-edge research and turn it into excellent products and services.
- Developed, simulated, tested, and improved algorithms for estimating electrical load and generation.
- Consulted with managers to determine and refine machine learning objectives and developed ML algorithms to analyze huge volumes of historical data to make predictions.
- Designed machine learning systems and self-running artificial intelligence (AI) software to automate predictive models.
- Solved complex problems with multi-layered data sets, as well as optimized existing machine learning libraries and frameworks.
- Designed lean proofs of concepts (POC) to answer targeted business questions. Explored and worked with a wide range of proprietary, interesting data stores. Applied existing methods or developed new methods.

#### Clarivate, Greater Noida

Sept. 2016 – Dec 2018

##### Machine Learning Engineer

- Developed and integrated large-scale, distributed machine learning system lifecycles utilising cutting-edge open source technologies.
- Created software that helps you increase your rate of experimentation and make better decisions on what to explore next.
- Improved distributed cloud GPU training approaches for deep learning models, including data distribution editing, data quality improvements, and representation learning with self-supervision
- Collaborated with multi-disciplinary product development teams to find possibilities for performance improvement and incorporate trained models.
- Developed a machine learning pipeline and trained models with the end-to-end Bayesian segmentation setwork, resulting in a \$400000 annual savings.
- Expertise in using PyTorch, TensorFlow, and Keras to train and deploy CNN, LSTM, and other Sequence models on Azure and AWS.

### ACADEMIC CREDENTIALS

- **Bachelor's Degree in Computer Science | Amity University , Lucknow | 2016**
- **Programming Languages:** Python | R Programming | JavaScript/Java | Julia | Lisp

### PERSONAL DOSSIER

- **Languages Known :** English & Hindi

~ References and other document's available