



## Job Announcement of **Embedded Engineer @ Ceremorphic**

The T&P Team wishes to inform about a career opportunity at CEREMORPHIC. CEREMORPHIC would like to hire Engineering graduates of 2024 for **Machine Learning Applications Engineer**, with following eligibility criteria.

Ceremorphic, Inc. is a fabless semiconductor and systems company, developing the sustainable compute infrastructure for the AI future. Ceremorphic is developing silicon chips in TSMC 5nm node and has developed algorithms for different verticals to create effective complete system product. Life Sciences division leverages the company's technology in silicon engineering, Artificial Intelligence (AI) and Machine Learning (ML) space to develop advanced drug discovery and medical imaging-based diagnosis platforms. We are seeking researchers and developers to help us create unique products with unprecedented efficiency with respect to cost of development, development time and effectiveness.

**Positions available: Machine Learning Applications Engineer**

**CTC: 13 LPA**

### **What you will do:**

As a Machine Learning Applications Engineer for the Life Sciences domain, the primary role is to aid the research team in implementing AI based solutions to challenging problems in the domain. The responsibilities will involve designing and constructing sophisticated machine/deep learning models and reproducing/refining existing systems.

To thrive in this position, you must be familiar with Statistics & Probability, Data Engineering, and usage of any one of the deep learning Frameworks. You must also be familiar with basic software development principles. Further, skills such as: understanding of data structures and algorithms, data modelling, machine/deep learning theories and algorithms, analytical, communication and documentation skills and an ability to work in a team, are expected.

### **Job requirement:**

- Read, understand, and follow research literature (both ML/DL and Life-Sciences)
- Prepare and process data of diverse modalities and from multiple sources for ML/DL tasks
- Design/reproduce ML/DL architectures to model the problems
- Run train/val. cycles and test the correctness, robustness of the model
- Generate visual reports as per the research team's requirements
- Extend any library functionality or create new as and when needed
- Create developer documentation and end-user documentation.

### **Basic Qualifications and Education Requirements:**

- Bachelor's or Master's degree in engineering (any branch)
- 1+ years of experience with Python/C++
- Knowledge of Statistics & Probability
- Linear Algebra (*Vector Calculus*)
- Discrete Mathematics (*Graph Theory*)

- Data Structures and Algorithms

**Preferred Skills and Qualifications (*good to have*):**

- Bachelor's or Master's degree in engineering (computer science, data science) or mathematics
- Prior experience in developing ML/DL models in PyTorch/Tensorflow and familiarity with associated Python libraries
- Ability to work with libtorch (C++)
- git (for version control)
- Experience with documentation tools (markdown/sphinx/doxygen/LaTeX/MS-Word)

**How to Apply:** If meet the eligibility criteria and interested about this opportunity, please apply through the Training & Placement Portal (<https://tpcrt.rf.gd>) by **April 6 2024**.

Sd/-

T & P Office