Company :	**Tvarit GmbH**
Company Name :	**Tvarit GmbH**
Nature Of Business :	**Software development**
Designation :	**AI researcher**
Tentative Job Location :	Powai, Mumba

Description :

Tvarit Solutions envisions to help manufacturing companies transform their businesses by leveraging AI. We strive to achieve efficient processes management for factories and plants, increasing the yield, increasing the accuracy and reliability by bringing data driven decisions, shorten the time frame of delivery, and hence direct reflection in terms of profit to the enterprise. This is a chance for you to get in on the ground floor of an exciting AI company. The AI software we have built is the start-of-the-art one stop solution to address many business problems of our customers.

You will be responsible for building AI / Machine Learning applications for our manufacturing clients. We expect you to have strong programming skills, and background of image processing, machine learning, deep learning and data mining. You should have a strong growth mindset and a strong work ethic.

Your Responsibilities:

- **Work with manufacturing clients, understanding various problems and failures in different kinds of manufacturing process and use AI to solve these challenges.**
- **Working with manufacturing machines data formats, data cleaning and defining performance measures based on pre-processing of data.**
- **Define a set of features on the basis of hundreds of sensors signals coming from a single machine, work on building time series forecasting and other cross metric ML models.**
- **Image processing of engineering drawings using deep learning techniques to extract several features and map it to relevant fields.**
- **Search for the latest research papers as per use case and make Proof-Of-Concept.**
- **Collaborate with production engineers to deploy the results of your research.**
- **Develop evaluation techniques to gauge the performance and accuracy of the models you build.**
- **Write production-ready code in Python / R for above models, further write unit tests, integration tests, end to end tests.**

Your Background:

- **Know-how of machine learning algorithms e.g., ARIMA, Linear Regression, Neural Networks and the math needed to for this such as linear algebra, probability, statistics.**
- **Strong hands-on skills with time series databases InfluxDB, SQL, Postgres etc.**
- **Ability to write code in a scripting language (Python, Perl, Bash etc)**
- **Strong knowledge of Deep Learning tools such as Pytorch and Tensorflow.**
- **Knowledge of various image processing algorithms such as segmentation, feature descriptors and morphology are encouraged.**
- **Strong coding ability. While theoretical knowledge of algorithms is appreciated, it is also important that you are able to write clean, efficient code in Python (with a focus on testability and using OOP) on a Linux platform.**

Eligibilty :

Program	AE	BSBE	CE	CHE	CSE	EE	ES	ME	MSE	PHY	CHM	MTH	ECO	DES	IME	CGS	HSS	EEM	MSP	NET	PSE	Stats
BT	Yes	Yes	Yes	Yes	Yes	Yes	--	Yes	Yes	--	--	--	--	--	--	--	--	--	--	--	--	--
BS	--	--	--	--	--	--	Yes	--	--	No	No	Yes	Yes	--	--	--	--	--	--	--	--	--
MT	Yes	No	No	Yes	Yes	Yes	No	Yes	Yes	--	--	--	--	--	Yes	--	--	No	No	No	Yes	--
DoubleMajor	Yes	No	Yes	Yes	Yes	Yes	--	Yes	Yes	No	No	Yes	Yes	--	--	--	--	--	--	--	--	--
dual	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No	Yes	Yes	--	--	--	--	--	--	--	--	--
dualB	Yes	No	Yes	Yes	Yes	Yes	--	Yes	Yes	No	No	Yes	Yes	--	No	--	--	No	--	No	No	--
dualC	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No	Yes	Yes	No	No	--	--	--	--	--	--	--
Mdes	--	--	--	--	--	--	--	--	--	--	--	--	--	No	--	--	--	--	--	--	--	--
MBA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No	--	--	--	--	--	--	--
Phd	No	No	No	No	Yes	Yes	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No
MSc	--	--	--	--	--	--	--	--	--	No	No	Yes	--	--	--	--	--	--	--	--	--	Yes
MSR	No	No	No	No	Yes	Yes	--	No	No	--	--	--	--	--	--	No	--	--	--	--	No	--

Cost to Company :	**12 lpa**
Package Details :	**NA**
Bond :	**False**
CPI CutOff :	**0.0**
Medical Requirments :	**NA**
Resume Shortlist :	**True**
Resume Shortlist Criteria:	**N/A**
Aptitude Test:	**False**
Group Discussion:	**False**
Technical Test:	**True**
Technical Test Duration:	**N/A**
Technical	**True**

Interview:	
Technical Interview Duration:	**N/A**
Number of Techincal Interview Rounds:	**1**
HR Interview:	**True**
HR Interview Duration:	**N/A**
Additional Information:	