ValleyML Boot Camps

ValleyML offers comprehensive end-to-end learning opportunities to help attendees start a career in Machine Learning and Deep Learning field through a series of three Boot Camps:

- Machine Learning and Deep Learning Boot Camp,
- Coding Interview Preparation Boot Camp,
- Project-based Boot Camp.

Attendees also receive IEEE PDH Certificate from IEEE Continuing Education.

We are looking for expert instructors from the pool of technical or management leaders in machine learning and artificial intelligence in different industry verticals. You would be complementing subject domain experts in ML and DL from companies such as Microsoft, Nvidia and Google. Volunteering instructors would be given an honorarium fee along with a share of royalties from the published or recorded content. Also, you would be getting a significant industry-wide recognition for sharing your expertise.

Please let us know your subject topics of interest from below.

- **Machine Learning and Deep Learning Boot Camp**

This Boot Camp consists of 8 workshops which spans topics from the fundamentals of machine learning to the latest advances of deep learning technologies and their applications. This series of workshops is focused on explaining the foundations and intuitions of machine learning / deep learning along with guided programming exercises and applying deep learning techniques to practical applications. However, we also cover essential mathematics, statistical techniques, and classical ML concepts in the first three lectures to provide an all-round experience.

1. Essential Math, Python and Tensorflow for Machine Learning
2. Statistical Methods for Data Science
3. Classic Machine Learning
4. Deep Learning with CNN and Tensorflow
5. Deep Learning for Computer Vision
6. Deep Learning for Natural Language Processing
7. Deep Learning for Robotics
8. Deep Learning for Intelligent Video Analytics

- **Coding Interview Preparation Boot Camp**

A machine learning engineer is expected to have sound programming and algorithm expertise and familiarity with industry-standard coding techniques. These skills are tested in job interviews. Traditional ML/DL boot camps do not teach these techniques which is why we are

offering this particular Boot Camp that builds the essential hard skills you need to perform well in a coding interview. The course not only prepares attendees for a technical interview, but also helps them become better engineers through training and teaching how to approach technical problems. It offers the following 3 modules:

1. Data Structures and Algorithms
2. Large Scale Systems Design
3. Soft skills for ML Engineers/ Data scientists

The instructors may use their own github portfolio or any other open source portfolio to teach the coding concepts. The students are expected to do more practice using Leetcode Premium.

- **Project-based Boot Camp**

This Boot Camp offers a professional training opportunity to work on a hands-on project that builds cutting-edge skills in the domain of your choice. Attendees benefit from this unique opportunity to work with industry experts in the field. Attendees need to have basic knowledge and skills in the field and the instructors help and guide them through their project work.

1. Artificial Intelligence
2. Data Engineering
3. Data Science
4. Decentralized Consensus
5. DevOps Engineering
6. Data Science for healthcare and manufacturing
7. Security

For more queries, please contact us at planning@valleyml.ai

You can view the last offering of the boot camp at http://bit.ly/39vkxYk