Date	Day of Challenge	Activities	Links
2019-07-05	1	Finished the project intro: Example Scenario Deep Learning in a Hospital in Lesson 6: Differential privacy for Deep Learning	
2019-07-08	2	I had to reduce my activity for about 2 weeks and went totally off on Saturday and Sunday to recover from a sprained ankle	
		Reached the 4th video "PATE analysis" of lesson 6: Differential privacy for deep learning	
2019-07-09	3	Contributed and answered some questions in the slack channels #i2_intro_diff_privacy #i3_eval_privacy_func #i4_loc_glob_diff_priv Finally reached the final project in lesson 6: Differential privacy for deep learning and intend to attempt it tomorrow	
2019-07-10	4	Contributed and answered some questions in the slack channels #i2_intro_diff_privacy #i3_eval_privacy_func #i4_loc_glob_diff_priv #i5_diff_privacy_dl	
		Started and worked on the final project in lesson 6: Differential privacy for deep learning, I'm also grateful to @Ronit for answering my question which has made me made progress in it, I intend on completing it the next day.	https://colab.research.google.com/drive/1-eyM_Nfi6zaauFOwHr44ko5qv-_gXiYq
2019-07-11	5	Participated in the ama section	
		Continued working on the final project in lesson 6: Differential privacy for deep learning, I implemented the models for the hospital databases and also trained the models on the hospital datasets.	https://colab.research.google.com/drive/1-eyM_Nfi6zaauFOwHr44ko5qv-_gXiYq
		I intend to use the models to label the public database and complete the project tommorrow	
2019-07-12	6	Got stuck on the project I was working on so I rewatched the pytorch section	
		Watched a couple of Videos by Andrew Ng on Hyperparameters to gain more insight into the concept.	https://www.youtube.com/watch?v=1waHlpKiNyY&list=PLkDaE6sCZn6Hn0vK8co82zyQtt3T2NkpC
2019-07-13	7	Finished my implementation of the final project in lesson 5: differential privacy in deep learning	
		Had a virtual meetup with my group mates #sg_study_jahm @Anju Mercian @Jess @Ayesha Manzur @Daniel Adinugroho @Dassy Indrawati @Helena Barmer @Stark @Sourav @Suraj Kumar @Oudarjya Sen Sarma @Temitope Oladokun. It was amazing and really productive.	https://colab.research.google.com/drive/1-eyM_Nfi6zaauFOwHr44ko5qv-_gXiYq#scrollTo=Kl69hfZp_PCQ
2019-07-14	8	Uploaded my implementation of lesson 6: Differential privacy in deep learnin project to my GitHub account.	https://github.com/nerytompz/Differential-privacy-for-deeplearning-project
		Posted certain articles regarding the current topic: Ethical AI being studied in my study group #sg_study_jahm.	
		Finally finished Lesson 6: Differential privacy in deep learning and would start the next lesson	
2019-07-15	9	Started Lesson 7: Federated Learning.	
		Watched an insightful video on youtube about Federated Learning	https://www.youtube.com/watch?v=xJkY3ehX_MI&t=142s
2019-07-16	10	I watched the video of the webinar with Robert Wagner which held yesterday that I was unable to attend. I really learned a lot on opensource and the importance of contributing to opensource software	https://www.youtube.com/watch?v=9D_jxOMZmRI
		Answered some questions and contributed on the slack channels #i4_loc_glob_diff_priv #i5_diff_privacy_dl	
2019-07-17	11	I had an entertaining and informative video conference with @Oluwarotimi Adesina @Rupesh Purum @Dammy where we studied and worked together on the final project for Lesson 5: Differential privacy for deep learning.	
		Answered some questions and contributed on the slack channels #i4_loc_glob_diff_priv #i5_diff_privacy_dl.	
		Decided on doing a project in computer vision that involves detecting denominations of banknotes.	
2019-07-18	12	Attended a virtual meetup with my study group members from the #sg_wonder_vision where we discussed computer vision, object detection and how we can develop and use the concepts in real-time object detection.	
		Answered some questions and contributed on the slack channels #i5_diff_privacy_dl #general #sg_wonder_vision	
		Missed today's AMA section so I went through the questions and answers when I got online.	
		Started reading the tutorial shared in #sg_wonder_vision to learn real-time object detection with YOLO and open cv.	
		I am tagging everyone that participated in the #sg_wonder_vision virtual meetup @Pooja Vinod @Arunn @Joyce Obi @Shashi Gharti @Sourav @susyjam @James Korge @Abhishek Tandon @Mohona @Jess@Seeratpal K. Jaura @nabhanpv @Helena Barmer @Mahak Bansal	
2019-07-19	13	Watched and practiced the tutorial sent to the #sg_wonder_vision study gro on real-time object detection.	https://www.pyimagesearch.com/2018/11/12/yolo-object-detection-with-opencv/
		Answered some questions and contributed on the slack channels #i4_loc_glob_diff_priv#i5_diff_privacy_dl.	
		Started looking for sources of training data for my intended project to create a model that can identify the denominations of my country currency.	
2019-07-20	14	Practiced the tutorial sent to the #sg_wonder_vision study group on real-tim object detection.	https://www.pyimagesearch.com/2018/11/12/yolo-object-detection-with-opencv/
		I had a physical meetup with @Temitope Oladokun in Lagos, Nigeria. we worked on and discussed the differential privacy in deep learning project.	
		I had a virtual meetup with my study buddies from #sg_study_jahm @Helena Barmer @Anju Mercian @emiSnPAI @Jess @Frida @Temitope Oladokun @Rupesh @susyjam @Stark @Shivam Raisharma @Anita	
2019-07-21	15	I had a virtual meetup with my study buddies from #sg_nigerian @Dammy, @Temitope Oladokun, @Precious, @Oluwarotimi Adesina @AGU CHIDIEBERE FRANCIS, @Jethro Sam-Marcus, @chijioke.roy @Ebinbin Ajagun @Joyce	
		I had a virtual meetup with @Temitope Oladokun we discussed the differential privacy in deep-learning project.	https://github.com/nerytompz/Differential-privacy-for-deeplearning-project
2019-07-22	16	I had a virtual meetup with @Temitope Oladokun, we discussed Lesson 6: Differential privacy for Deep Learning final project.	
		Continued my study of lesson 7: Federated Learning.	
2019-07-23	17	Covered over 70% of lesson 7: Federated Learning and implemented all the projects until the 8th video in the lesson: Garbage collection and Common E	https://github.com/nerytompz/Federated-Learning-PrivateandSecureAIUdacity
		Participated in the slack channels #i4_loc_glob_diff_priv #i5_diff_privacy_dl #i7_sec_federtd_learn	
2019-07-24	18	Read 2 interesting and engaging articles from medium to understand Federated Learning better.	https://hackernoon.com/a-beginners-guide-to-federated-learning-b2de2f8ae6c4
			https://towardsdatascience.com/the-new-dawn-of-ai-federated-learning-8ccdf8ed7fc3a
2019-07-25	19	Started working on my personal project, a model to recognize my country's currency denominations.	
		Missed the AMA section, so I went through the messages when I came online to get updated on new Info.	
2019-07-26	20	Started gathering train and test data for my project to build a currency classifier.	
		Watched videos by Andrew Ng on Convolutional Neural Networks	https://www.youtube.com/watch?v=XuD4C8xJzEQ&list=PLkDaE6sCZn6Gl29AoE31iwdVwSG-KnDzF&index=2

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2019-07-27	21	Watched some videos in the Udacity Data Structures and Algorithm course Continued Watching videos by Andrew Ng on Convolutional Neural Network	https://classroom.udacity.com/courses/ud513/lessons/7117335401/concepts/71225347790923 https://www.youtube.com/watch?v=qmHq2442Ah4&list=PLkDaE6sCZn6GI29AoE31iwdVwSG-KnDzF&index=4
2019-07-28	22	I had an awesome and informative meetup on differential privacy with my study buddies in #sg_nigerian @Joyce @Ebinbin Ajagun @Dammy @Oladimeji Mudele @Alemiola Oluwatobi Victor@Jethro Sam-Marcus @Precious @AGU CHIDIEBERE FRANCIS @Oluwarotimi Adesina@chijioke.roy @Temitope Oladokun	
2019-07-29	23	Studied my notes on federated learning and practised on Google Colab.	
2019-07-30	24	Finally finished Lesson 7: Federated Learning and also really enjoyed the interview with Brendan Mcmahan, I intend on starting the Federated Learning final project tomorrow. Collated the votes from the poll @Dammy helped organize regarding the most convenient date and time for most to attend the webinar I plan hosting explain and implement the Differential Privacy in Deep learning PATE analy final project and also to discuss differential privacy. I posted details about th planned webinar on the #l5_diff_privacy_dl channel. Posted an article and also answered questions in the #l5_diff_privacy_dl and #l1_deep_learn_pytorch study channels.	https://secureprivataischolar.slack.com/archives/CJS6LLE2J/p1564516727159200?thread_ts=1564451508.146000&cid=CJS6LLE2J https://towardsdatascience.com/guide-to-choosing-hyperparameters-for-your-neural-networks-38244e87dafe
2019-07-31	25	Answered some questions and also had some issues of mine resolved in the channels #l5_diff_privacy_dl #l1_deep_learn_pytorch. #l6_federated_learning, thanks to @Berenice @Aisha Javed @Ishan Arora Started working on the Federated Learning final project.	https://colab.research.google.com/drive/1_vWHdbPA7jL5sTf-gLMSC2Qd3sOmtynM
2019-08-01	26	Attended and enjoyed the Putting Humans at the Center of AI conference which held today and was hosted online live by Dr. Fei Fei Li and Sebastian Thrun Continued working on the Federated Learning final project, I created the virtual worker models and started training on them.	https://colab.research.google.com/drive/1_vWHdbPA7jL5sTf-gLMSC2Qd3sOmtynM
2019-08-02	27	Continued working on the Federated Learning final project, Finished the project but still trying to clean up some bugs.	https://colab.research.google.com/drive/1_vWHdbPA7jL5sTf-gLMSC2Qd3sOmtynM
2019-08-03	28	Finally finished the Federated Learning final project and uploaded on Github Attended a virtual meetup with my study buddies from #sg_study_jahm	https://github.com/nerytompz/Federated-Learning-PrivateandSecureAiUdacity/blob/master/Federated%20Learning%20project/FederatedLearning_Project.ipynb
2019-08-04	29	I hosted a webinar where we spoke about Differential privacy and the Differential privacy in Deep learning PATE analysis project. I recorded the meetup and provided links for the record and also for my implementation of the project. Attended a virtual meetup with my study buddies from #sg_study_naija	https://github.com/nerytompz/Differential-privacy-for-deeplearning-project https://drive.google.com/open?id=1ZqFNMMNspuQc5nu_H35aNmQrf1n-sZ
2019-08-05	30	continued work on my personal project for the course. Participated in the AMA section.	
2019-08-06	31	Started watching the videos in Lesson 8: Securing Federated learning. Watched the section of Google I/O 2019 where federated learning and decentralized machine learning was discussed and also how Google applies the tools to protect user privacy while running machine learning models for predictive text recognition on users devices.	https://www.youtube.com/watch?v=89BGiQYA0uE
2019-08-07	32	Answered questions in the slack channels #l1_deep_learn_pytorch #l6_federated_learning Started trying out different model architectures to use with my project. Watched Siraj's video on privacy in AI and new techniques to preserve privacy in AI models.	https://www.youtube.com/watch?v=HAC6sqq7_-U
2019-08-08	33	Answered questions in the slack channels and posted a link to the webinar I organized on August 4 on Differential privacy and the PATE analysis proje to assist anyone who needs assistance in Differential privacy and PATE analysis. Participated in the morning and evening AMA sections today. Started working on the Project: Build Methods for Encrypt Decrypt and Add in the Securing Federated Learning section of the course.	https://secureprivataischolar.slack.com/archives/CJSCX4WAZ/p1566294554366600
2019-08-09	34	Attended the Deep Reinforcement Learning webinar with @Juan Carlos Kuri Pinto, Thanks to @Helena Barmer for organising. Continued writing the code for the project I intend to submit for the project showcase.	
2019-08-10	35	Attended a Virtual meet-up with my buddies at #sg_pytorch-robotics @Muhammad Naufil @Juan Carlos Kuri Pinto @Jess @cibaca @Mika @Ivy @Suparna S Nair @Bhadresh Savani @Stanislav Ladyzhenskiy @Mateusz @Nirupama Singh @Ebinbin Ajagun @Ayesha Manzur @Mahitej @Divya @Sourav @Nancy Al Aswad @Laura A @Sayed Maheen Basheer @Elena Kutanov @Dammy @Temitope Oladokun @Joy Poddar @Helena Barmer @Oudarjya Sen Sarma @Mr.Robot @Pooja Vinod :robot_face:	
2019-08-11	36	Attended a Virtual meet-up with my #sg_study_jahm buddies @Jess, @Anju Mercian, @Pooja Vinod @Ingus Terbets @Shudipto Trafder @Oudarjya Sen Sarma @Helena Barmer @Ivy @Ayushi Gupta @Stanislav Ladyzhenskiy @Mateusz @Sourav@cibaca @Sayed Maheen Basheer @Sushil Ghimire @susyjam @Labiba @Frida @Abhishek Tandon @Slark @Ayesha Manzur we discussed AI Cyborgs & Neuralink Finished Lesson 8: Securing Federated Learning Also started working and made significant progress with the final project. Finished Implementing the Final project for Lesson 8: Securing Federated Learning, I implemented the project using the mnist digit dataset. Attended a meeting with my study buddies from #sg_nigerian :flag-ng: @Temitope Oladokun @Joyce @Ebinbin Ajagun @Jethro Sam-Marcus @AGU CHIDIEBERE FRANCIS@Temitope Oladokun, we discussed the final project we intend to submit for the project showcase. Answered some questions in #l7_sec_federtd_learn #l6_federated_learning	https://colab.research.google.com/drive/1e0RPfX_sR1_FVw39XvgV3z17qC3XObhC https://colab.research.google.com/drive/1e0RPfX_sR1_FVw39XvgV3z17qC3XObhC
2019-08-12	37	Finally finished the whole Secure and Private AI Scholarship Challenge Nanodegree Program!!! Thanks to Facebook, Udacity, @Palak.Udacity, @akshit.udacity and everyone that assisted me all the way	
2019-08-13	38	Continued working on my final project. I successfully trained my model, I would use the model in an app.	

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2019-08-14	**39**	Continued working on my final project. I tested the model on a new set of tes datasets and I was not satisfied with the results I got. I am trying different model architectures now to see which one works best. Watched the video below and read the articles to learn more about Transfer learning and also android development.	https://www.youtube.com/watch?v=EOfCEhWq8sg&t=95s https://pytorch.org/docs/stable/torchvision/models.html https://pytorch.org/tutorials/beginner/transfer_learning_tutorial.html
2019-08-15	**40**	Continued working on my final project: :grinning: I am finally satisfied with my model accuracy, I spent the day learning how to convert my pytorch model to TensorFlowLite in order to use to implement a classifier on android	https://www.youtube.com/watch?v=JnhW6tQ_7Vo https://www.youtube.com/watch?v=kFWKdLOxykE https://www.youtube.com/watch?v=MZx1fhbL2q4 https://www.tensorflow.org/lite/models/object_detection/overview https://www.tensorflow.org/lite/models/image_classification/overview
2019-08-16	**41**	Continued working on my final project: :grinning: I have started working on the android app. I had to refer to Siraj Raval's videos for assistance. Read through messages and answered in the slack channels.	https://www.youtube.com/watch?v=OE6wssMJoag&t=681s https://www.youtube.com/watch?v=kFWKdLOxykE&t=2s
2019-08-17	**42**	continued working on my final project: continued working on the android app. Reviewed the pytorch section of the course.	
2019-08-18	**43**	Uploaded my implementation of the secured federated learning project to the #l7_sec_federtd_learn channel to assist others. Had issues implementing a pytorch model in android studio so I read up on ONNX framework to achieve that.	
2019-08-20	**44**	Finally uploaded my project to the Udacity opensource github account. Watched a video by Ian Goodfellow on Generative Adversarial Networks.	https://github.com/pkshit94/UdacityOpenSource/tree/master/Ateniola_Oluwatobi_Victor https://www.youtube.com/watch?v=9JpdAg6uMXs
2019-08-21	**45**	Read the Introduction to algorithm book by Charles Leiserson and learnt about dynamic programming today.	
2019-08-22	**46**	Started reviewing the course content from the beginning. Currently reviewing my notes on differential privacy.	
2019-08-23	**47**	Continued reviewing the course content. Tried implementing a simple neural network using numpy	
2019-08-24	**48**	wow, I can't believe the program is almost ending. I attended the final meetup of my study group #sg_study_jahm, where we discussed data privacy leakage.	
2019-08-25	**49**	wow, I can't believe the program is almost ending. I hosted and attended the final meetup of the study group #sg_nigerian.	
2019-08-26	**50**	Submitted my project showcase challenge project to the #project-showcase-challenge channel.	https://secureprivataischolar.slack.com/archives/CMHLLUAE5/p1566850948380600
2019-08-27	**51**	Uploaded my Udacity thank you video to the provided link. Watched a lecture from Microsoft's research team on how to apply differential privacy on growing/dynamic databases.	https://forms.gle/DuaYvMwQ4BMr2YmSA https://m.youtube.com/watch?v=RjBFkJZgFtk
2019-08-28	**52**	Read up an article on style transfer using convolutional neural networks.	https://towardsdatascience.com/transfer-learning-with-convolutional-neural-networks-in-pytorch-dd09190245ce
2019-08-29	**53**	Participated in the GitHub connect initiative. Participated in the LinkedIn connect initiative.	https://github.com/nerytompz/ https://www.linkedin.com/in/oluwatobi-ateniola-20b666166
2019-08-30	**54**	I appreciate Udacity, Facebook and everyone for the appreciation my projec got in the project showcase challenge. I read up on algorithms, primarily dynamic programming and also on its application in solving the edit distance computational problem.	https://m.youtube.com/watch?v=b6AGUjqlPsA
2019-08-31	**55**	I had an amazing time participating in the Secure and Private AI challenge closing party organized by @Yemi , @Archit and held in #ama_sessions solved some algorithmic problems involving dynamic programming in HackerRank	