PROFESSIONAL DEVELOPMENT (Research Certifications)

- Data Cleaning in Python: Advanced Course @dataquest.io 2020
- Pandas and NumPy Fundamentals Course @dataquest.io 2020
- Participated in Making Money with Machine learning a 10 week program under Siraj Raval 2019
- Participated in mlcourse.ai-September-2-2019 3 months program
- Day 3 of ML Bootcamp 2019 organised by DatumGuy online
- National Level conference- HALO- 2019, A.J. Shetty Medical college, Mangalore 2019
- Attended workshop on image processing conducted at MIT Manipal organized by by Fulbright scholar program and Manipal institute of technology 2019
- Certificate of Appreciation for speaking on "AIMS and Objectives" in the research workshop organised by research cell, KMC, Manipal
- Data Cleaning and Analysis Course @dataquest.io 2019
- Storytelling Through Data Visualization Course @dataquest.io 2019
- Exploratory Data Visualization Course @dataquest.io 2019
- Python for Data Science: Intermediate Course @dataquest.io 2018
- Python for Data Science: Fundamentals Course @dataquest 2018
- Python Programming: Beginner Course Course @dataquest.io 2018
- **Attended a AI Saturday Boot camp on deep learning @ nurture.ai @Bangalore 2017**
- **Byte Academy full stack data engineering Boot camp four months 2017**
- Machine Learning with Big Data @ University California, Coursera, April-May 2016. https://www.coursera.org/account/accomplishments/certificate/DHPTSVMLTZZX
- Introduction to python for Data science @ Microsoft edx April 2016
- **Introduction to Big Data Analytics** part of Big Data Specialization @ UC San Diego Coursera, Dec 2015 grade
- **Hadoop Platform and Application Framework**, part of Big Data Specialization @ UC San Diego Coursera, November 2015. https://www.coursera.org/account/accomplishments/certificate/DZETRSQ86CBK
- **Introduction to Big Data Analytics** @ University California, San Diego September 2015. https://www.coursera.org/account/accomplishments/certificate/RQW86AJU8JJ4
- **Data Science and Machine Learning Essentials** @ Microsoft: DAT203x edx October 2015, https://courses.edx.org/certificates/f3b67412eba9451e9005b27653bbf7b0
- **Customer Analytics,** 1st course of Business Analytics Specialization by Wharton School@ Coursera Sep-Oct 2015
- **Introduction to Big data,** 1st course of Big Data Specialization @ UC San Diego Coursera completed Sept 2015 https://www.coursera.org/account/accomplishments/certificate/RSEM3YNTLUZW
- **MIT The Analytic Edge** @edx: June – August 2015 completed, completed June-August 2015 https://s3.amazonaws.com/verify.edx.org/downloads/462e0a805cec4f91844c815b58619b1a/Certificate.pdf
- **Sabermetrics 101:** Introduction to Baseball Analytics using SQL & R @ BU edx, completed July-Sept 2015 **https://courses.edx.org/certificates/3ecc830d9ed245d9a11c209c8a3f63c6**
- **NotreDameX:** SOC120x I Heart Stats: Learning to Love Statistics 2015 @ edx completed May-June 2015, https://s3.amazonaws.com/verify.edx.org/downloads/f28a0c6dd3734188a64d0e30137ce1a4/Certificate.pd
- **Microsoft:** Certificate for Querying with Transact-SQL @ edx completed April-May 2015, https://s3.amazonaws.com/verify.edx.org/downloads/ea2c077e50c24d64b7b762ba0fadb143/Certificate.pd
- **Getting and cleaning data**, part of data science specialization, John Hopkins school of public health completed Feb 2015(1 month)
- **R programming certificate**, part of data science specialization Johns Hopkins School of Public Health,

completed Jan 2015(1 month)

- **Exploring Statistics with R programming** Certificate @ edxKarolinska Institute, completed 2014 (2 month).https://s3.amazonaws.com/verify.edx.org/downloads/f113a9bfb9be4f7686d559d17ce48894/Certificate.pdf
- **Data Scientist's Toolbox**, part of data science specialization Certificate @ courser Johns Hopkins School of Public Health, completed 2014
- **Programming for Everybody: (Using Python) Certificate** @ coursera School of Information, University of Michigan, 10 weeks (2 months), completed June to August 2014.
- **Health in Numbers: Quantitative Methods in Clinical and public health research** @ edx **Harvard School of Public Health**- 13 weeks (3month), completed November 2012 to February 2013. https://s3.amazonaws.com/verify.edx.org/downloads/820574f1d5d34c918dfb5d9cc06c907f/Certificate.pdf
- **National Institute of Information Technology (NIIT), India**: 2010 Certificate training in C Programming Training in SQL SERVER 2005 database (3 Months)
- **Goal technologies, India**: 15 days Training in ASP.net
- Deep Learning in Python https://www.datacamp.com/statement-of-accomplishment/course/484bc8532fc649ff3ada66fa841bc6130a4ede32
- Introduction to Python & Machine Learning (with Analytics Vidhya Hackathons)
- https://www.datacamp.com/statement-of-accomplishment/course/bb834b26c35b95c50854d941249e12a1d235d9a9
- National workshop on getting started with Matlab, Manipal Institute of technology, Manipal 2012
- 8th national conference on Medical Informatics, AIIMS New Delhi 2012
- International congress on Emergency Medical service system , AIIMS, New Delhi 2012
- National conference on Industrial expectations from Hospital Administrators, Vydehi Medical college Bangalore,2017
- Safety and Quality aspects in Hospital(Organising secretary) , Yenepoya Medical college, Mangalore 2011
- Quest Hospital Administration- 2001, AFMC Pune
- Certificate in Data Analysis in SAS, Department of Statistics, Manipal University, 2012
- Insight National level workshop on TQM:Aa approach to Healthcare, Manipal Institute of Management, 2010
- Flood relief certificate appreciation certificate 2005
- Pharmacy Practices in New Millennium: Hospital Clinical and community Pharmacy, College of Pharmacy, Belgaum in collaboration with AICTE, New Delhi, 2007
- Hospital Clinical Waste, Hazard Management and Infection control ISHA, 2004
- Primary Healthcare monthly meeting for PHC Physicians Kingdom of Saudi Arabia 2013

Projects:

- Image classifier with keras-flask-deploy-webapp
- Built 3 different types of regression lines to predict stock prices using Python
- Built a logistic regression model using Scikit-learn to predict fraudulent transactions by training it on this kaggle dataset.
- Built an Automated Diagnosis Model 'inception v3' image classifier on the pneumonia dataset
- Built a web app of Skin disease prediction which could classify three skin diseases as a team project
- Used Tensorflow+Keras to create a Generative Adversarial Network on Fashion MINIST dataset, to generate novel fashion images
- Build a neural network using numpy to classify plant images into 4 different classes from a dataset of Soybean crops-Plant Analysis
- Created a helpdesk agent using Dialog Flow and BigQuery.
- Created a DQN agent using Keras to master the 'cartpole environment'. to understand how reinforcement learning works
- Guided Project: Profitable App Profiles for the App Store and Google Play Markets(Analysed Mobile data, exploring the data, deleting wrong data, removing duplicate entries,determine Common Apps by Genre, calculating the average number of installs for each app genre)
- Guided Project: Exploring Hacker News Posts
- Guided Project: Exploring Ebay Car Sales Data(Initial exploring and cleaning, exploring price and date time
- Participated in fastai guided project on dog breed Identification in Image problem (Python)
- Participated in Kaggle competition as fastai project on Plant Seedlings Classification in Image stood 536 out of 838 participants (Python)
- Machine Learning technique to predict Breast cancer using scikit learn
- Machine Learning technique to predict stock prices using ANN
- Optimisation Techniques to Schedule Hospital Operating room
- Exploratory data analysis using Pandas Olympic datasets, census data sets
- Web scraping using selenium & beautiful soup: Developed web scraper that can scrape the video lectures, audio transcripts, and text transcripts
- Extract Transform Load using python: Developed a Terminal Trader game using MVC(Model-ORM-Controller) design in Python
- Participated in Kaggle competition as course requirement for MIT’s Analytic edge to predict which
- iPads listed on eBay will be sold stood 827 out of 1885 participant (R Programming)

Project links

https://github.com/pursh2002
https://github.com/pursh2002/Machine-learning-with-Siraj-Raval-sept-2019..-Dr-Purshottam
https://github.com/pursh2002/mlcourse.ai-September-2-2019
https://github.com/pursh2002/byteacademy-projects
https://github.com/pursh2002/Study-Group-AI-deeplearning-Saturday-by-Nurture.AI-2018
https://www.kaggle.com/pursh2002
https://www.datacamp.com/profile/pursh2002-4affb5b4-a6ec-482c-9dd5-2ca4b67ca833
https://courses.edx.org/u/Pursh
https://www.linkedin.com/in/dr-purshottam-kh-bb1545a/
https://www.datacamp.com/profile/pursh2002-4affb5b4-a6ec-482c-9dd5-2ca4b67ca833
https://www.freecodecamp.org/pursh2002
https://www.coursera.org/accomplishments
https://courses.edx.org/u/Pursh
https://app.dataquest.io/profile/pursh2002
https://www.hackerrank.com/pursh20021