Chaitanya Devaguptapu

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Education

B.Tech in Electronics , 3rd Year , KMIT, Hyderabad 2014 - 2018
Class XII - Sarath Junior College, Hyderabad - 93.1% 2012 - 2014
Class X - Bhashyam Public School - 93.4% 2012

Experience

Data Analyst Intern, InfiBooks, Hyderabad Oct, 2016 - Present
Build Recommender Systems for recommending Books to users, Analyze purchase patterns of different users and suggest methods to increase the sales, Automate the process of Data Collection using several open sources API's.

Coursework

Udacity Machine Learning Nanodegree, Udacity Profile Aug, 2016
Build Recommender Systems for recommending Books to users, Analyze purchase patterns of different users and suggest methods to increase the sales, Automate the process of Data Collection using several open sources API's.
Machine Learning Specialization (4/6), Certifications on LinkedIn

Technical Skills

Strongest Areas - Machine Learning, Statistics, Data Analysis
Languages - Python, R, C++, Java, JS
Tools/Frameworks - D3.js, Apache Spark, MySQL, SQLite, Git

Publications

"User based Collaborative Filtering Recommender Systems", Anveshana's Internatonal Journal Of Research in Engineering and Applied Sciences, vol. 1, No. 9, 2016. view here

Relevant Courses

Linear Algebra, Deep Learing, Data Visalization, Data Analysis,Probability, Unix Programming, Databases, Internet of Things, Distributed Computing, Human Computer Interaction, Recommender Systems

Selected Projects

All projects available on github : Github
My Blog on Machine Learning and Data Science : think-data

- **Student Intervention System** : Investigated the factors that affect a student's performance in high school. Trained and tested several supervised machine learning models on a given dataset to predict how likely a student is to pass. Selected the best model based on relative accuracy and efficiency.
- **Training a Smartcab to Drive** - Applied reinforcement learning to build a simulated vehicle navigation agent. This project involved modeling a complex control problem in terms of limited available inputs, and designing a scheme to automatically learn an optimal driving strategy based on rewards and penalties.
- **Face Detection System** - Built a Face Detection System using dlib machine learning library.
- **Customer Segmentation** - Reviewed unstructured data to understand the patterns and natural categories that the data fits into. Used multiple algorithms and both empirically and theoretically compared and contrasted their results. Made predictions about the natural categories of multiple types in a dataset, then checked these predictions against the result of unsupervised analysis.
- **Recommender Systems for Book Purchase prediction** - Built a model to predict whether a user would purchase a book or not based on the book reviews

Achievements and Awards

- Selected as Coursera Mentor for Machine Learning Specialisation using Python, offered by University of Washington
- Ranked 44/493 in Cortana's Womens Health Risk Assessment competition Leaderboard

Hobbies

Blogging, Watching Movies, Solving Puzzle's