

Yeshwanth Sai Melpati

Career Objective

People I work with known me as efficient python programmer aspiring to become perfect data scientist, capable of developing incredible qualitative insights into any business intelligence. Prioritizes to collaborate with other employees and lead them even under extreme boiling pressure generating solutions.

Education

2015 - 2017	Masters of Science (M.Sc.) National Institute of Technology, Rourkela Major: Mathematics GPA: 6.94
2012 - 2015	Bachelors of Science (B.Sc.) National Institute of Technology, Rourkela Major: Mathematics GPA: 6.79
2009 - 2010	Intermediate in Science, Narayana junior college Percentage: 86.0
2008 - 2009	SSC Narayana concept school Percentage: 92.1

Projects

Self	Recommendation engine in python Collected Book-Crossing data set developed by Ziegler and using k-nearest-neighbor (knn) algorithm implemented the recommendation engine with content based collaborative filtering. My engine can recommend books to new consumers based on their interests and ratings.
GitHub	https://github.com/yeshwanthdatascience/RecommendationEngine
Self	General Purpose Chat-bot in python With help of cornel movie dialogue data set and articles from arxiv website, I implemented a general purpose conversational chat-bot by using deep neural networks with LSTMs. I used Tensor Flow and keras open sourced libraries for implementation of my chat-bot which can be extended for making speech bot or auto spell corrections.
GitHub	https://github.com/yeshwanthdatascience/Chabot
Self	Signature forgery detection . With advance image recognition and analyzing capabilities of CNN (convolution neural networks), we can develop automated systems that performs the tasks like forgery detection. I built a system that implements that forgery detection using imageio and Tensor Flow. I used Siamese neural networks for this purpose.
GitHub	https://github.com/yeshwanthdatascience/SignatureForgeryDetection
Self	Face detection system. Face identification and detection is revolutionizing the way of life by creating new possibilities in investigating and social media. I have built a system that can identify a person in an image and then validating him from the database. I have developed this as a replacement of finger print scanner for login. This is very crucial in smart phones making them still easy to use. I used OpenCV, keras for this purpose.
GitHub	https://github.com/yeshwanthdatascience/Face_recognition
Self	Traffic problem solution. Traffic has become an un-solvable challenge especially in metro cities. I built a model that solves the challenge of traffic. I built a model which is capable of identifying vehicles, reads number plates and issues fine to the respective vehicles for violating traffic rules. I have extended the model to sync up the traffic volume to the vehicles speed. Model knows the current situation of traffic and calculates the optimum speed to the vehicles so that vehicles have least time at the traffic signals.
GitHub	https://github.com/yeshwanthdatascience/TrafficChallengeAISolution

Work Experience (2 years and 1 month)

Organization: J S Arun enterprises, Hyderabad. (May 2016 - July 2016 & May 2015 - July 2017)
Role: Data analyst
Technologies: R software and Python.
Responsibilities: I have taken past one-year organization data. I made all data treatment for cleansing the data and with Root cause analysis (RCA) approach with logistic regression I have identified the market strategy and suggested many business decisions.

Organization: Innominds Software, Hyderabad. (24th July 2017 – Present)
Role: Software developer
Technologies: Machine Learning, Angular.
Responsibilities: I am fortunate enough to join Innominds, where I worked with data analytic team. We solve data challenges that hinder enterprises today. Our data mining framework iFusion, simplifies data preparation so we can interact with data quickly and understand key relationships more intuitively helps us build powerful, stable and accurate models quickly and easily. I build a chat-bot as part of challenge.

Programming Languages

Python	Proficient
R software	Proficient
Java-script	Proficient.

Technical skills

MySQL	Proficient
Angular.	Intermediate
HTML/ CSS	Intermediate.

Mathematical skills

Statistics	Probability
Optimization	Graph theory
Discrete mathematics	Linear Algebra.

Personal skills

1. Strong in mathematical and statistical subjects like Probability and Distributions, Regression.
2. Curious to learn latest technology relating to Artificial Intelligence (AI), as a result very active in online learning platforms like linked-in learning, data camp, plural-sight, edx, coursera etc.
3. Strong quantitative analytical skills which helped me to win many Olympiad competitions right from my childhood.
4. Strong programming skills proved me a way to participate into DBS hack2hire competition where I had developed approaches to solve some banking related problems like forecasting.
5. Able to work on databases to store, run and access data by easily framing complex SQL queries.
6. Has experience and hands on all data treatment methods using libraries like pandas, numpy , sqlite3, scikit-learn.

Certifications

1. Machine learning A-Z from Udemy using python.
2. Advanced Python from LinkedIn Learning Insiders Program.
3. Biomedical Image Analysis in Python Course from Data Camp.
4. Building and Deploying Deep Learning Applications with Tensor Flow from LinkedIn Learning Insiders program.
5. Deep Learning Face Recognition from LinkedIn Learning Insiders Program.
6. Neural Networks and Convolution Neural Networks essential training from Pluralsight.
7. Data visualization in python from IBM Cognitive Class.
8. Deep Learning fundamentals from IBM Cognitive Class.
9. Deep learning applications by keras 2.0 from linked-in learning.
10. Machine learning with Python from cognitive class.
11. MySQL fundamentals from solo learn.
12. Data Science methodologies from IBM Cognitive Class.

Additional activities

1. Participated and won in Innominds Machine Learning Challenge in techgig.
2. Participated Axis Bank Machine Learning Challenge in hacker earth.
3. Participated in NMIT hackathon.
4. Participated in Cars24 hackathon,
5. Active in many data science online competition sites like Kaggle, driven-data, Analytic Vidhya.
6. Actively lead our team of twenty-five members for many dance competitions in and out of our college including prestigious IIT Bombay fest and IIT Kharagpur fest.
7. Actively participated in elocution competitions and won prizes.

Personal details

Date of Birth: 4 March 1994.
Phone: +91 7978055439
Email: yeshudatascience@gmail.com,
LinkedIn: <https://www.linkedin.com/in/yeshwanthsaimelpati>