Himanshu Kesarvani

Data Scientist

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Experience

- **Oracle India Pvt. Ltd.** Hyderabad, India
  Data Scientist *Apr 2019 - Present*
  - **Infinity**: Oracle Infinity is a digital analytics platform for tracking, measuring, and optimizing the performance and visitor behavior of enterprise applications
    - Developing Predictive User Engagement Model to identify bottleneck in the application
    - Building model using Python, XGBoost algorithm to handle historical data and click through data
    - Improving model response time for high traffic applications
  - **Doc-Bot**: Doc-Bot is a chatbot which help user to get question answer without going through documentation
    - Developed a NLP model using Python, BERT to answer the question regarding documentation queries
    - Trained model with documentation data and allowed services to communicate with model
    - Added feedback loop to alert customer service if a user doesn't find info he is looking for
  - **Social Network**: Oracle Infinity is a digital analytics platform for tracking, measuring, and optimizing the performance and visitor behavior of enterprise
    - Developed Topic Modeling using Python, LDA algorithm for social media messages for enterprises
    - Built model to handle real-time data and providing trending topics and generate reports
    - Created sentiment analysis model based on the inflow data so that service representative can address the problem understanding the sentiment
- **Development Bank of Singapore** Hyderabad, India
  Analyst *May 2017 - Mar 2019*
  - **Hiring Biases**: Built a classifier model to find biases in the hiring process
    - Created a model using Python, XGBoost algorithm to predict biases introduced by interviewer
    - Create another model using Python, Random Forest Regressor algorithm to find candidate fitment percentage
    - Worked with HR team to address the biases and providing equal opportunity for each candidate
- **Ekincare** Hyderabad, India
  Software Engineer *Sep 2015 - May 2017*
  - **Ekincare Application**: Integrated health benefits platform
    - Developed model to extract information from different type of medical reports using Python,OCR, NLTK
    - Developed lifestyle recommendation system based on medical history

Education

- **Indian School of Business** Hyderabad(TS), India
  Advanced Management Programme in Business Analytics *Feb. 2019 – Jul. 2020*
- **Kamla Nehru Institute of Technology** Sultanpur(UP), India
  Bachelor of Technologies in Computer Science and Engineering *Sep. 2009 – July. 2013*

College ISB Projects

- **AI Chatbot(Capstone Project)**: Chatbot to resolve student query and provide recommendation
  - Developed model to find answers asked by students using Python, video analysis and BERT model
  - Developed Flask application, Chatbot UI integrated with the ML model and deployed to Heroku cloud platform
- **Taxi Fare Prediction (Practicum Project)**: Developed model to predict taxi fare based on Kaggle dataset
  - Created complete report of exploratory data analysis using R, ggplot, shiny and presented with recommendations“”
  - Developed model using R, k-means clustering and got accuracy of 92% on test data

Skills

- **Skills**: ML, Deep Learning, Visualization, Statistical Analysis, NLP, Data Mining, Data Wrangling
- **Languages & Technologies**: Python, R, SQL, Spark, Oracle Cloud, Docker
- **Libraries**: NumPy, Pandas, scikit-learn, NLTK, Gensim, Matplotlib, Seaborn, ggplot, Shiny, TensorFlow