

# Viveksinh Solanki

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<b>EDUCATION</b>	<b>MS in CS at Stevens Institute of Technology, NJ, GPA: 3.86/4.0</b> Course Work: Machine Learning, Causal Inference, Web Mining, Data Mining, NLP with Deep Learning	<b>Expected May 2020</b>		
	<b>BE in CE at LD College of Engineering, India, GPA: 3.27/4.0</b> Course Work: Calculus, Vector Calculus and Linear Algebra, Data Structures, Algorithms, DBMS I	<b>June 2016</b>		
<b>SKILLS</b>	<b>Programming</b> Java, Python, R	<b>Web Technologies</b> HTML5, CSS, JavaScript, Node.js, Express.js	<b>Data Science</b> NLTK, Scikit-learn, Matplotlib, Keras, Tensorflow, MySQL, MongoDB	<b>AWS</b> Lex, Rekognition, Lambda, S3, EC2, SageMaker
<b>EXPERIENCE</b>	<b>Data Science Intern at Eiffo Analytics, New York, NY</b> <ul style="list-style-type: none"><li>Created an automated data preprocessing module for time series data</li><li>Designed an automated supervised time series forecasting system by utilizing Support Vector Machines, Linear Regression, XGBoost and LSTM</li><li>Achieved the almost same performance as top Kaggle kernels</li></ul>	<b>June 2019 - August 2019</b>		
	<b>Lead Android Developer at Linaven Agency, Cannes, France</b> <ul style="list-style-type: none"><li>Developed a social media app for French YouTuber, who currently has 167k+ subscribers</li><li>Delivered two other android projects including a social media platform for French salsa community</li></ul>	<b>July 2017 - May 2018</b>		
	<b>Software Analyst at Digital Impact Square, A TCS Foundation unit, Nashik, India</b> <ul style="list-style-type: none"><li>Built a hybrid/cross-platform application using PhoneGap/Cordova framework</li><li>Developed a bilingual android application to aid health workers in tracking and monitoring pregnant women. It is currently being used by 1500+ health workers with 50k+ total registrations</li><li>Executed technical platform training for 600+ health workers</li></ul>	<b>July 2016 - June 2017</b>		
<b>ACADEMIC PROJECTS</b>	<b>Finding Answers from Wikipedia for Open Domain Questions: A Survey</b> <ul style="list-style-type: none"><li>Implemented LSTM model as baseline model on SQuAD 2.0 and Google's Natural Questions dataset</li><li>Performed comprehensive comparison of following deep learning models: i) BiLSTM without attention, ii) BiLSTM with Bahdanau Attention, iii) BiLSTM with self-attention, on mentioned datasets</li></ul>	<b>Oct 2019 - Dec 2019</b>		
	<b>Fake News Detection: Using an Ensemble Approach</b> <ul style="list-style-type: none"><li>Performed data cleaning, preprocessing and Exploratory Data Analysis of text data</li><li>Transformed text data to TF-IDFs and word embeddings as part of feature extraction</li><li>Applied Support Vector Machine and Convolutional Neural Network to classify fake news with 79% accuracy</li><li>Compared results among publicly available datasets and manually scrapped datasets</li></ul>	<b>March 2019 - May 2019</b>		
	<b>Will labor condition application (LCA) be approved?</b> <ul style="list-style-type: none"><li>Used Random Forest algorithm to extract the top features</li><li>Leveraged machine learning models such as support vector machine, random forest, multilayer perceptron (MLP) and kNN in predicting LCA status</li><li>Achieved the highest accuracy of 83% with MLP</li></ul>	<b>April 2019 - May 2019</b>		
	<b>Factors that might cause labor condition application (LCA) to be approved</b> <ul style="list-style-type: none"><li>Applied 'Rubin Causal Model' using python on H1B dataset to find causes that might help in LCA approval</li></ul>	<b>November 2018</b>		
<b>ACTIVITIES</b>	Facilitator for <b>Applied CS with Android Course</b> by Google Delivered 3 workshops on Android programming with 150+ total participants	<b>March 2016 - May 2016</b>		

Available full time from June 2020