

# PRASHANT JADIYA

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- SUMMARY:** Experienced with projects in educational background, Proficient in range of modern technologies including Python, Java. Ability to assimilate new ideas efficiently.
- EDUCATION:** **Stevens Institute of Technology**, Hoboken, New Jersey, USA Exp. Dec. 2022  
Master of Science in Applied Artificial Intelligence
- Marwadi Education Foundation's Group of Institutions**, Gujarat, India Aug 2020  
B. Eng. in Information Technology  
CGPA: 9.15/10
- SKILLS:** Programming Languages: **Python, Java, C**  
Frameworks: **Flask, Keras, Tensorflow**  
Courses: Udacity Data Scientist Nanodegree,  
Stanford's Machine Learning (online),  
Google IT Support Professional Specialisation Certificate
- EXPERIENCE:** **Machine Learning Engineer Intern, SmartInternz**, India May 2020
- Created a voice chatbot based on IBM Watson to do simple task including weather information
  - Launched an application on cloud to crawl news based on only one keyword
- Machine Learning Intern, LeadingIndia.ai**, Noida, India Jul 2019
- Conducted research on Deep learning fundamentals and algorithms such as V-Net, U-Net
  - Collaborated with Bennett University to use GPU for Kidney Tumor Segmentation project
  - Project details: Lead a team of four people from different locations and timeline was a month  
Dataset was collected from heterogeneous sources with help of project mentor  
It consists of 389 patients CT (X-ray) images and sized upto 300GB data.  
Developed 3D U-Net model and Auto-Encoder model for segmentation.  
Visualized CT scan images (around 250images/file) with Nibabel library  
Leveraged model to be accurate at 78% optimized by NVIDIA DGX v100 GPU  
Published a research paper on this project, can be found at [Link](#)
- PROJECTS:** **Malicious Website Classification using Machine Learning** May 2020
- Executed machine learning algorithms including Random Forest, Logistic regression, K Nearest Neighbours to classify if website is malicious or not based on features such as URL length, number of special characters
  - Concluded it on Keras framework and Python programming language
- Starbucks Targeted Promotions** June 2020
- Implemented smote to up-sampling minority class elements to balance a dataset
  - Boosted Net Incremental revenue of around 200% in offline testing
  - Used frameworks Keras, XGBoost, etc with Python programming
- Offer Optimisation using Machine Learning** May 2020
- Illustrated using Starbucks offer dataset containing json files
  - Compiled a data with EDA, Pre-processing and Visualisation
  - Built six machine learning models with GridSearchCV
  - Classified people in three categories (offer received/viewed/completed)
- Recommendation Engine for IBM Watson Studio Dashboard** July 2020
- Focused to recommend blogs to users of IBM Watson
  - Used Rank-based, Collaborative filtering methods to find recommendations
  - Experiments with Matrix factorisation, SVD and FunkSVD
- ACTIVITIES:** Contributing blogger at Medium.com under "Data Driven Investor" publication
- Awarded with Provost's Master's Scholarship at Stevens Institute of Technology
  - Awarded with Devang Mehta IT Awards from Gujarat Technological University