MIHIR CHAKRADEO

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EDUCATION

- **Master of Science – Computer Science**   **Expected Graduation: December 2018**
  SUNY Stony Brook University
  - Member of NLP Lab
    - Working on cutting down search results of relevant clinical trials using NLP
    - Advisor – Prof. Niranjan Balasubramanian
  - Courses: Machine Learning, Convex Optimization, Probability and Statistics, Advanced Project
- **Bachelor of Engineering – Computer Engineering**   **Graduated May 2017**
  University of Pune, India   GPA 3.78

TECHNICAL SKILLS

- **Web Development**: HTML, CSS, JavaScript, Flask, Git, Heroku
- **Languages**: Python, C++, MySQL

PROJECTS

Major Project

- **"Captcha as a Graphical Password (CaRP)"**   October 2016 – March 2017
  - Developed a Government sponsored senior year group project under the domain of Cyber Security and Machine Learning (to some extent)
  - Goals: To provide a safe, intuitive, dynamic password scheme to protect against bruteforce and shoulder surfing
  - Published a paper on **"Survey on Various CaRP Techniques"** in an International Journal **(JETIR ISSN-2349-5162)**
  - **Technologies: Python- Flask, tensorflow, HTML, CSS, JavaScript, sklearn, numpy**

Mini Projects

- **"DeepMath- Deep Sequence Models for Premise Selection"**   November 2017 – December 2017
  - Contributed to the *DeepMath's* github repo as a course project for Computing with Logic
  - The focus of the project was to accelerate automated theorem proving using deep learning
  - Contributions: Verified the results for 1D CNN-RNN, 1D CNN-GRU, and 1D CNN-Encoder Decoder
  - **Technologies: Python, tensorflow, keras, numpy**
- **"Email Spam Filter"**   November 2017 – December 2017
  - Built a Naïve Bayes Classifier to classify email as Spam or Not Spam for the course Artificial Intelligence. Overall Accuracy achieved: 91.4%
  - **Technologies: Python, pandas, numpy**
- **"Pacman AI"**   November 2017 – December 2017
  - Wrote multiple AI algorithms such as BFS, DFS, IDS, A*, Alpha Beta Pruning, Bayesian Nets for the Berkeley's Pacman challenge which contributed towards the Artificial Intelligence coursework
  - **Technologies: Python, numpy**
- **"Painting Classifier"**   April 2017-April 2017
  - Match an artist's painting style against famous artists like Da Vinci, Van Gogh
  - **Technologies: Python, tensorflow, Google's Inception Engine**

Hackathons

- **"Google Firebase AppFest Hackathon"**   24th June 2017
  - Built an android app for detecting skin cancer using android phone and a Dermatoscope
  - Our app was selected in the **top 5** projects
  - **Technologies: Android, Google's Inception, Firebase**
- **"Google Developer Group Hackathon"**   24th January 2016
  - Built an android prototype for rating food joints near Colleges. Secured **1st place**
  - **Technologies: Android, MySQL**