

VIKRAM BAJAJ

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EDUCATION

New York University Tandon School of Engineering
Master of Science in Computer Science

Brooklyn, NY
May 2019

- **Coursework:** Foundations of Data Science, Programming for Big Data, Design and Analysis of Algorithms
- **Honors:** Awarded a merit-based graduate scholarship

Gandhi Institute of Technology and Management (GITAM University)

Hyderabad, India

Bachelor of Technology in Computer Science and Engineering

April 2017

- **Cumulative GPA:** 3.95/4
- **Relevant Coursework:** Artificial Intelligence & Machine Learning, Data Mining, Probability & Statistics, Cloud Computing
- **Honors:** Graduated with the 2nd highest GPA in the Department of Computer Science and Engineering

SKILLS

• Programming Languages:

- **Proficient:** Python, MATLAB
- **Working Knowledge:** SQL, Java
- **Familiar:** C, C++, PHP

• Data Science Libraries (Python):

 scikit-learn, pandas, numpy, matplotlib

• Tools/Technologies:

 Machine Learning (Data Science, Computer Vision), Big Data (Hadoop, Spark, Pig), Tableau, Web Development (HTML, CSS, JavaScript), Android Application Development, LaTeX, Graphic Design (Adobe Illustrator)

• Languages:

 English (Fluent), Hindi (Fluent), French (Novice)

CERTIFICATIONS

• Deep Learning Specialization

 by Andrew Ng on Coursera

Ongoing

• Introduction to Python for Data Science

 certificate by Microsoft on edX

May 2016

• Machine Learning

 certificate by Stanford University on Coursera

April 2016

• HTML5

 certificate by W3C on edX

July 2015

• Business English Certificate (BEC-Vantage)

 by the University of Cambridge

July 2014

EXPERIENCE

New York University Tandon School of Engineering

Brooklyn, NY

Graduate Teaching Assistant, Department of Computer Science and Engineering

Nov 2017 - Present

- Teaching Assistant for **Big Data Analytics** (CS-GY 9223-G)

New York University Kimmel Center for University Life

New York, NY

IT and Customer Support Assistant, Events & Operations Division

Oct 2017 - Present

- Providing IT support, assisting with events through the day, handling customer inquiries, ensuring the fulfillment of all building policies

Gandhi Institute of Technology and Management (GITAM University)

Hyderabad, India

Research Assistant

June 2016 - May 2017

- Created an ontology for Hindi opinion words and developed a web interface to run SPARQL queries on the ontology
- Paper accepted for publication to Springer's CCIS, at NGCT 2017

Indian Institute of Technology (IIT Madras)

Chennai, India

Summer Fellowship Intern

May 2016 - July 2016

- Implemented a Content-Based Image Retrieval (CBIR) system using **MATLAB**
- Involved the use of **Computer Vision** and **Machine Learning** algorithms, including Support Vector Machines
- Increased the number of object categories that the system could recognize by 300%
- Project is demonstrated to visiting faculty and research scholars at the *Visualization and Perception Lab*, IIT Madras

PROJECTS

Global Temperature Change Prediction

Oct 2017 - Present

- Predicting the temperature of a given city across a specific time period, using an ARIMA model for **time series forecasting** in Python

Climate Change and its Impact on Health

Oct 2017 - Present

- Leveraging Big Data tools including **PySpark** and **MLlib** to analyze historical climate data and study its impact on human health

Image Category Classification Using Deep Learning

Dec 2016 - April 2017

- Used the **Caffe** framework to train a Convolutional Neural Network (CNN) to recognize images belonging to the 1000 categories of the ILSVRC2012 dataset; built a **MATLAB** interface to demonstrate its working

AI Sight: Object Recognition on your Smartphone!

Dec 2016 - Feb 2017

- Independently developed an Android app for offline object recognition (available on Play Store)

Web Development Projects

Sep 2015 - Present

- Built my personal website (vikrambajaj.me) and other responsive websites including WebsiteDzine (websitedzine.com), Krafterrz (krafterrz.com), and Ranad Pharma (ranadpharma.com)

EXTRACURRICULAR AND VOLUNTEER ACTIVITIES

- **Tech Committee Member**, HackNYU 2018

Oct 2017 - Present