

VIKRAM BAJAJ

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EDUCATION

New York University Tandon School of Engineering **Brooklyn, NY**
May 2019
Master of Science in Computer Science (GPA: 4/4)

- **Relevant Coursework:** Foundations of Data Science, Programming for Big Data, Computer Vision, Cloud Computing
- **Honors:** Awarded a merit-based graduate scholarship

Gandhi Institute of Technology and Management (GITAM University) **Hyderabad, India**
April 2017
Bachelor of Technology in Computer Science and Engineering (GPA: 3.95/4)

- **Relevant Coursework:** Artificial Intelligence & Machine Learning, Data Mining, Cloud Computing, Probability & Statistics
- **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, plotly
- **Tools/Technologies:** Machine Learning (Data Science, Computer Vision), Big Data (Hadoop, Spark, PySpark, 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 Center for Data Science **New York, NY**
Feb 2018 - Present
Graduate Grading Assistant
• Grading Assistant for **Deep Learning (DS-GA 1008)** in Spring 2018

New York University Tandon School of Engineering **Brooklyn, NY**
Nov 2017 - Present
Graduate Teaching Assistant, Department of Computer Science and Engineering
• Teaching Assistant for **Deep Learning (CS-GY 9223-E)** in Spring 2018 and **Big Data Analytics (CS-GY 9223-G)** in Fall 2017

New York University Kimmel Center for University Life **New York, NY**
Oct 2017 - Feb 2018
IT and Customer Support Assistant, Events & Operations Division
• 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**
June 2016 - May 2017
Research Assistant
• 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**
May 2016 - July 2016
Summer Fellowship Intern
• 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 - Dec 2017
• Predicting the temperature of a given city across a specific time period, using an ARIMA model for **time series forecasting**, and analyzing the impact of increasing amounts of pollution and Greenhouse gases on temperature change, in **Python**

Climate Change and its Impact on Health Oct 2017 - Dec 2017
• Leveraging Big Data tools including **PySpark** and **Spark MLlib** to analyze historical climate change and pollution data, and study their 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: WebsiteDzine (websitedzine.com), KrafterrZ (krafterrZ.com), and Ranad Pharma (ranadpharma.com)

EXTRACURRICULAR AND VOLUNTEER ACTIVITIES

• **Tech Committee Member**, HackNYU 2018 Oct 2017 - Present