# RUCHIT MODI

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## EDUCATION

**Stony Brook University**, Stony Brook, NY                                         August 2019 - December 2020 (Expected)
*Master of Science in Computer Science*

- Courses: Artificial Intelligence, Natural Language Processing, Data Science Fundamentals

**Veermata Jijabai Technological Institute (VJTI)**, Mumbai, India                                         May 2016
*Bachelor of Technology in Information Technology*                                         CGPA 9.61/10.00

*Final Year Project: Email Classification Using Supervised Learning Algorithms*
- Devised an Email Classification algorithm using Machine Learning and Natural Language Processing to help classify emails into custom user-defined labels
- Carried out data preprocessing steps using tokenization, stopwords removal and stemming; implemented two classification algorithms, k-NN and Naive Bayes Classifier on Enron Dataset
- Published a technical paper in Advances in Intelligent Systems and Computing (AISC, volume 564) series of Springer 2017 (https://doi.org/10.1007/978-981-10-6875-1_9)

*Other Minor Projects*
- *Company-Clinic Database Management System*: Database application developed using Java and MySQL to maintain records of employees and their dependents availing treatment at their employer's clinic
- *Tic Tac Toe*: AI game in Python developed using min-max algorithm and alpha-beta pruning
- *Snake-2, Minesweeper*: Application games developed using Java AWT and Swing tools respectively

## EXPERIENCE

**Media.Net Software Services (India) Pvt. Ltd.**, Mumbai, India                                         July 2016 – August 2019
*Software Development Engineer 2*
- Designed and implemented an entire data flow architecture for keywords to launch them for advertising
- Developed an algorithm to show contextual ad keywords on a webpage using information from the content of its parent url webpage
- Created a search engine api which returns Bing search results and relevant phrases of a keyword
- Worked on a Bandit algorithm project that explores similar intent keywords and exploits the best keyword which is earning higher revenue per impression
- Designed and developed APIs and GUIs of applications along with maintenance and enhancement tasks

**Deloitte Consulting India Pvt. Ltd.**, Mumbai, India                                         May 2015 – July 2015
*Business Technology Analyst (Intern)*
- Created custom visualforce pages and controllers/extensions per client requirements; created Apex triggers to automate tasks on insertion/updation of records in Salesforce.com
- Optimized triggers to increase efficiency by approximately 30% and meet the Governor Execution limits
- Developed custom JavaScript buttons on standard Salesforce pages to submit approval requests

## TECHNICAL

- Languages: C/C++, Java, Python, MySQL, HTML, CSS, JavaScript, JSP
- Tools: Git, Maven, Redis, Kafka, RabbitMQ, Apache Flink, Hive, HBase, Jupyter, Intellij Idea

## ADDITIONAL

- Award Recipient, JRD Tata Scholarship (2015 & 2016) for excellent academic performance
- Runner up, Technohunt (2015), a treasure hunt inspired coding competition in Technovanza, VJTI
- Runner up, Android Application Coding Challenge (2014), Credit Suisse Group
- Treasurer, Interact Club (2009-10), a Rotary sponsored social service club