**Yashashwini Gupta (Yashu)**           yashashwini.gupta@nyu.edu |+1(914) 255-7075

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**EDUCATION**

**New York University, Tandon School of Engineering, Brooklyn, New York                                                                      May 2019**

Master of Science in Computer Science, GPA-4.0

**Narsee Monjee Institute of Management Studies, MPSTME, Mumbai, India                                                        May 2017**

Bachelor of Technology in Computer Engineering, GPA-3.7

**PROFESSIONAL EXPERIENCE**

**Kimmel Media Services, New York**, *Media Student Assistant* **November 2017 – Present**

* Responsible for providing technical media support services to the NYU community including equipment repair and installation, event support, and equipment delivery and retrieval

**Tradeshift, San Francisco,** *Intern***January 2018 - January 2018**

* Worked on Pulse, a project that created a live map with invoice data that were being generated and sent from one company to another around the world at the exact moment
* Performed data extraction using Akka streams and Spark on AWS data. Parsed through UBL file streams to obtain the details of transactions including sender, receiver, amount and volume
* Designed module in Scala to find the location (latitude, longitude) from address obtained

**Persistent Systems, India,** *Intern* **June 2016 – July 2016**

* Designed interactive live-streaming dashboard using Apache Spark on the ShareInsights platform to provide weather forecast and analyzed various aspects such as temperature and humidity

•      Wrote Python scripts to collect huge data chunks from weather APIs and processed it using Apache Kafka and Hadoop

•      Applied ETL process to provide visualization of the information using graphs for the end user

**PERSONAL AND ACADEMIC PROJECTS**

**Radiation & Nuclear Data Analysis (Python/R) November 2017 - Present**

* Cleaned and processed Radiation data from NASA and Safecast APIs by leveraging tools like Spark and Hadoop.
* Analyzed the streaming data and developed insights which were then visualized using various packages in R and eventually showing co-relation between temperature, altitude and radiation level

**Mimic me (Javascript/HTML/CSS)                                                                                                                 August 2017**

* Tracked faces in a video and identify facial expressions (joy, sadness, surprise, etc.) using AffedexMe from Affectiva. Identified face with its appropriate emoji and developed a game in which player must mimic a random emoji

**Dog Recognition Application (Python)                                                                                                             June 2017**

•      Built an end-to-end algorithm to process any user-supplied image using convolutional neural networks

•      The algorithm identified and gave an estimate of the canine’s breed for the input dog images with accuracy-71.53%

**Designing a Custom SVM Kernel for improving accuracy in Drug Classification (R/Python)                             April 2017**

•      Conducted a literature survey on the application of machine learning algorithms in the field of Drug Classification

•      Applied ChemmineR package in R and RDKit in python to extract properties and create the molecules from the PTC dataset

•      Trained the SVM and tested various kernels (RBF kernel, Polynomial kernel, Gaussian kernel) for accuracy

* Presented a technical paper in NCCEEE, IETE Cynosure proposing designing a custom kernel for SVM to improve the accuracy of classification. Won the Young Researcher’s Award for the presentation at the conference

**TECHNICAL SKILLS**

**Languages:** C, C++, Java SE, Python, C#, SQL, PL/SQL, HTML, CSS, Bootstrap, JavaScript, Scala, R

**Databases:** Microsoft SQL Server, MySQL, SQL Lite, Oracle(11g), PostgreSQL

**Operating Systems:** Windows, Ubuntu, Mint, Fedora, CentOS, macOS

**CERTIFICATIONS & LEADERSHIP EXPERIENCE**

* Chair for the Accessibility and Assistive Technology Track at HackNYU 2018. In charge of selecting the track judges, mentors, organizing workshops, collecting data/resources among other tasks.
* Pursuing Artificial Intelligence Nanodegree course offered by Udacity with full scholarship
* Pursued Teacher training course from the Yoga Institute to become a Certified Yoga instructor