Yashashwini Gupta (Yashu)

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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