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-3.95

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

BXB Digital (Brambles), Santa Clara, *Data Science Intern* **May 2018 – August 2018**

- Developed a perceptual hashing algorithm for image verification of pallets. Implemented block mean value hashing to compute rotation invariant hash to find matches, compute cycle time and damage rates. Built a Siamese network model using TensorFlow to perform one shot classification for similar pallet images
- Worked on anomaly detection using rolling median and standard deviation in asset tracking data involving location via GPS, WIFI or Cellular, and sensor reading including magnetometer to detect errors in location pings because of fluctuating signal strengths with the cell towers

Tradeshift, San Francisco, *Intern* **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
- De signed 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

Smart Class (Python/JavaScript/Amazon Web Services) **October 2018 – January 2019**

- Designing a web application to stream lecture videos while also enabling the user to search videos based on content and view the lecture from corresponding timestamp
- The application is built using AWS services like S3 to host the content and web application, AWS CDN for content delivery, AWS Lex and Lambda to interact with the user, AWS Transcribe to convert the video speech to text, AWS Comprehend to perform NLP on the video transcript and AWS Elasticsearch to search the content in videos

Try me with Template matching(Python) **May 2018**

- Tracked faces in images/video to identify facial key points using a convolutional neural network. Identified faces and overlaid images of glasses etc. for the user to be able to try different looks

Radiation & Nuclear Data Analysis (Python/R) **December 2017**

- 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

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

- 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 drug 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

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
- Pursued Artificial Intelligence Nanodegree course offered by Udacity with full scholarship
- Received the Academic Excellence Award for being amongst the top students in my course at NYU