

Anit Gupta

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📅 December 2020

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EDUCATION:

Georgia State University, Atlanta, GA, *Master's in Data Science and Analytics*

Aug 2019 – Dec 2020

Course Work: Big Data Programming, Data mining, Fundamentals of Data Science, Deep Learning, Advance Machine Learning, Statistical and Computational Analysis

GPA: 4.0/4.0

Lovely Professional University, Punjab, *Bachelor's in Computer Science and Engineering*

Aug 2012 – May 2016

Course Work: Design and Analysis of Data Structures, Artificial intelligence, Machine Learning, Scripting Languages, Advance Database, Advance Software Engineering.

GPA: 8.26/10.0

TECHNICAL SKILLS:

Programming Languages: Python, R language, Apache Spark, Spring MVC, Hibernate Framework, Maven, PHP, C++, C
Databases: Oracle 12g, MySQL, SQLite, SQL-Server
Libraries: NLTK, Keras, Tensor Flow, Scikit-Learn, Spark MLlib, Plotly, Bokeh
Tools: Tableau, Eclipse, Android Studio, Spyder, Knime, Adobe Tools, soapUI, Git, Jupyter NB, Jenkins, PyCharm
Scripting Languages: Unix, Shell Scripting, Batch Scripting, Visual Basic, Power Shell Scripting

PROFESSIONAL EXPERIENCE:

Georgia State University, Atlanta, GA, *Graduate Research Assistant*

Aug 2019 – Present

- Developing a website for hosting digital content utilizing PHP, WordPress, CSS, JavaScript.
- Collaborating in Analytical information development for the problem of student homelessness and furnishing it for critical representation

Amdocs, Pune, India, *Experience Software Developer*

Aug 2016 – Jul 2019

- Analyzed Telefonica Company's customer to bring out relevant **Business insights** supplementing Python, Tableau, Excel and other tools.
- Created a tool for Auto Ticket Resolution using **Atom IQ, MS - Power BI** and Python where labeling, training and processing of UTS tickets were done. Tool helped to solve 42 % of daily incoming tickets without human intervention.
- Delivered more than 20 CR's, Raised and Fixed more than 200 defects, executed 5-7 tools helping the client avoid P0 and P1 and improvised code from performance and security point of view.
- Analyzed Oracle database scripts, assisted in application deployment on clustered servers and involved in end to end software delivery lifecycle of client application.

Hewlett-Packard, Gurgaon, India, *Web Developer Intern*

Jun 2015 – Aug 2015

- Developed an online polling system using Android, PHP, WordPress, **Oracle WebLogic** for inhouse usage.
- Assessed and worked health and insurance domain for areas of improvement and its feasibility study

KEY PROJECTS:

Exploratory and Predictive Analysis from Food.com – Biggest recipe website

- Scripted to coin a new feature that was added using principles of **core data engineering and machine learning** (Random forest classifier, Accuracy -84%). Predicting cuisine on basis of ingredients for 500k recipes.
- Presented useful insights from the website data by implementing Apriori, K-means clustering.

Twitter Data Analysis – Data wrangling on Big Data

- Analyzed one month of 500GB twitter data in **Apache spark** deploying on **Azure clustered environment (HD insights)**.
- Programmed tweet translation with help of google translation API along with parallel programming in python.
- Executed Customer satisfaction analysis using term frequency scores, **NLP and Vader Library**.

Point of Sale Application Enhancement for Predictive Analytics (Georgia Tech – Hackathon Project)

- Integrated NCR Corporation's Transaction and Store management API's to extend Point of Sale application.
- Enabled dynamic Time Series Analysis to predict change in demand of a product or type of product clustered based on numerous descriptive features. PCA was implemented to avoid the **curse of dimensionality**.
- Simplified and reduced the entire analysis to website built using NodeJS integrating with Python. The NCR judges also recognized as an **actual required enhancement**.

Auto Error Detection Tool

- Leveraging knowledge of **Advance SQL**, a tool was designed to show the stuck orders and possible resolutions to clear stuck orders.
- Delivered a **dashboard** to show orders placed, orders stuck, auto request orders in queue, **server load**, server status and subscriber base, recharge **API status**.
- Trained thresholds were set in case of any discrepancy to send alert emails and blasts to operations team to take necessary actions.

Smart Attendance Management System (Capstone Project – Under graduation)

- Implemented fast and robust system to mark attendance in 60 secs using Android, Rest Services, JS and MySQL.
- Avoided loopholes by programming random key pairing techniques from scratch that is also used by RSA tokens these days.

LEADERSHIP AND VOLUNTEER EXPERIENCE:

- Part of ACM Organization – help in organizing Tech Talks.
- Liaised with a team of 15 to organize corporate-level events/campaigns for fundraising, healthcare, and empowerment. Volunteered and taught students for multiple non-profit organizations - Teach for India, Magic Bus and Seva Sahyog
- Researching as a Project leader in Homelessness Lab to develop resource knowledge base for student experiencing student homelessness or people who come across these students. I motivate and mentor freshmen to develop repository and gather more data by interviewing outreach third parties.