Harmeet Bindra

Email: hbindra3@gatech.edu
Phone: +1(404) 421-7776
www.harmeetbindra.com | www.github.com/harmeetsb | linkedin.com/in/hbindra

---

EDUCATION

Georgia Institute of Technology   **08/2017 – 05/2019**
- M.S. Candidate in Computer Science specializing in Machine Learning
- GPA: 3.75/4.0
- Graduate Teaching Assistant of Machine Learning for Trading

Georgia Institute of Technology   **08/2014 – 05/2017**
- B.S. in Computer Engineering
- Dean's list recipient

WORK EXPERIENCE

AT&T, Software Developer/Data Analytics   **06/2017 – Current**
- Analyzed data to build predictive model for Payment Arrangements. The model predicts the likelihood of a customer to call for making a payment. The model accuracy of 80% helped the client reduce the call volume by 70%.
- Wrote automation script in Python that generates and sends status report of the customers that have been contacted that day to multiple teams.
- Converted the code base from IBM SPSS modeler to python, resulting in faster development and reducing the SPSS subscription cost.

Sears Holding Corporation, Software Development Intern [Full Stack]   **05/2016 – 07/2016**
- Used Java and Mongo Db to develop data store layer for Kenmore Connected products. This prototype served to facilitate future work on Kenmore Connected projects.
- Used AngularJs to develop the front end of Kenmore Connected web portal for call center agents. It helped the agents to retrieve customer information faster, which improved customer satisfaction.
- Used java to build a data-parsing library to categorize product data retrieved from an AWS server.

Georgia Institute of Technology, Undergraduate Teaching Assistant   **05/2015 – 05/2017**
- Class Name: Programming Hardware and Software Systems (MIPS and C).
- Was awarded the CETL Outstanding Undergraduate Teaching Assistant Award in 2016 and 2017.
- Designed and graded the programming assignments of students and held review sessions.

PROJECTS

Strategy Learners (Machine Learning)
- Used Python to implement classification learners: decision tree, random forest and bootstrap aggregation learner.
- Trained Bootstrap Aggregation Learner on historical stock data.
- The model predicted buy and sell actions for a stock to maximize portfolio value generating 63% more returns than a manual strategy.

Hidden Markov Models (Artificial Intelligence)
- Used python to implement Hidden Markov Model that converts noisy Morse code signals to English.

Warehouse Navigator controlled by Amazon Dot
- Designed and developed a robot to efficiently navigate a warehouse to search for items in stock.
- Used Amazon Echo Dot to take user inputs, C++ for arm microcontroller and Node.js for server-side code.
- Project demo: https://goo.gl/Rz9mBO

Buzz Movie (Android Application)
- Allows the user to rate a movie and search for relevant movies based on some search criteria.
- Retrieves data using Rotten Tomato API and displays it to the user and caches the movie description locally, which made future data retrieval 80% faster.
- Used SQL database to store users information.
- Github repository: https://github.com/harmeetsb/BuzzMovie

TECHNICAL SKILLS

Languages: Java, Python, C, C++, JavaScript, HTML.
Databases: MongoDB, SQL.
Technologies/Frameworks: Git, AWS, Node.js, AngularJs, Android, Junit, Anaconda.
Operating Systems: Linux, Mac, Windows.