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PARAS MODI

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Experience

Summer Technology Analyst **Goldman Sachs** **May 2018 – Aug 2018**

- Created React application to visualize and analyze latency of various trading systems
- Created Java Vert.x backend to process data coming from Apache Kafka and a time series database
- Assisted in data aggregation using StatsD and an internal time series database

Software Engineer Intern **Viacom** **May 2017 – Aug 2018**

- Built new interactive dashboard in Flask to visualize large amounts of video player data
- Wrote several iPython notebooks with PySpark to analyze cluster usage and billing data
- Implemented an interval tree to speed up IP to geolocation lookups by 90%

Full Stack Developer **Promediacorp** **May 2016 – Jul 2017**

- Maintained an Angular/Flask website (Uphail.com) by adding POIs, geolocation based suggestions, and various SEO optimizations using Google TagManager/Analytics
- Developed a new feature, Uphail Discover, that allows users to see how far taxi services can take them based on a given price and starting location using Python, Flask, and Google Maps API
- Developed core functionality of a React based website (pressnotify.com) allowing users to pitch startup ideas to an array of media outlets

Summer Technology Analyst **Morgan Stanley** **Jun 2014 – Aug 2015**

- Wrote Python scripts to perform hygiene of the company's automated job control system (Autosys) and generated automated reports and emails for affected users
- Created new dashboard in Flask to display metrics about database usage
- Maintained Perl CGI website used for the Autosys system by updating deprecated tools and UI

Education

New Brunswick, NJ **Rutgers University** **Sep 2015 – Jan 2019**

- B.S. in Computer Science with Minor in Economics, GPA: 3.88. Expected graduation January 2019.

Hackensack, NJ **Bergen County Academies** **Sep 2011 – Jun 2015**

- High school Diploma from The Academy of Telecommunications and Computer Science, GPA: 3.76

Languages and Technology

- **Languages:** Python, Java, JavaScript (ES6), HTML/CSS, C, SQL, Bash, Scala
- **Libraries/Frameworks:** Flask, React with Redux, Apache Spark, Pandas, Numpy, Matplotlib, Scikit Learn, Node.js, Express, MongoDB, Jinja, jQuery, Twitter Bootstrap, Karma, Vert.x
- **Other Technologies:** Git, Amazon Web Services, IPython notebooks, Apache Kafka, DataBricks, Android, React Native, Google Analytics/Tag Manager, Jira/Agile Development

Projects

- **NBAPlayoffPredictor** – Created Random Forest models to predict the chances a team makes it to the playoffs based on their regular season performance using both regular stats and advanced stats
- **hackBCA**– Helped organize one of the largest high school hackathons and created a website to manage registration and track important information such as waivers
- **ClassMatch** – A Flask web app that allowed students to easily find out who is in their classes before school starts based on their preliminary schedules