PARTH SHAH

linkedin.com/in/parth-shah1 | parth.shah@utexas.edu | 913 – 609 –2943

Education

- **The University of Texas at Austin (Class of 2021)**
  - Bachelor of Science in Computer Science, Certificate: Applied Statistical Modeling, GPA: 3.84
    - Coursework: Data Structures (Spring 2018), Discrete Math (Spring 2018)
    - Future coursework: Computer Architecture(Fall 2018), Operating Systems (Spring 2019)
  - Programming Languages: Java, Python, HTML, CSS, JSON
  - Software: Git, Anaconda, Docker

Work Experience

- **H&R Block- Software Engineering/Analytics Intern** (Kansas City, Missouri, Summer 2018)
  - Researched and implement new event logging with a package called Serilog for the Block Central Billing System in C#. Created new screens for the Block Pay Web app with Angular and Boot Strap.
  - Generated Pacing curves with 4 years of tax return data with PySpark and Hadoop(HDFS). Researched an implemented ML algorithms to predict whether a client would return the following year. Used software such as sklearn, spark, and pandas to move the analytics team to modern technology.
  - Created python scripts with PySpark to clean, filter, and analyze client data. Plotted Data to investigate new tax season revenues.
- **Cocolevio - Associate Software and Data Engineer** (Austin, TX; 2018-Present)
  - Designed and Developed a modern data visualization platform for Boeing and Visa with Bokeh(Python). Used NLTK to analyze sentiment in the pilots notes and created models to classify different errors in test flights with numeric sensor data.
  - Using MySQL, Bootstrap, and Java to develop CRM software for local business in Austin. Creating containers using docker to facilitate this process and efficiently deploy applications. (Dell Medical Center, Boeing, Pluckers)
  - Designed and worked on the company website with Angular and Bootstrap.
- **Center for Advanced Professional Studies - Programming Instructor** (Overland Park, KS; Summer 2015 & 2016)
  - Worked with middle and elementary school students on building Android apps with the MIT app launcher. For younger students, I implemented Scratch into the curriculum.

Projects

- **Data Modeling and Visualization** (2017-Present)
  - Using python data modules such as pandas, seaborn, numpy to visualize and analyze financial data
  - Used the data from the city of Boston to visualize property prices on Google Maps
  - Used data from crypto currencies and stocks to see expected growth and other relationships/trends
- **Chrome Extension - StudyBreak** (2017)
  - Built a Chrome Extension that alerts you to take a break while studying
  - Used my CSS, HTML, and JavaScript skills to build this.
- **FRC Robotics - Co captain** (2015-2017)
  - Designed, prototyped, and built 2 robots over the period of 2 years.
  - Worked with CAD and used C++ to program the “Man o War” and the “Silver”.
  - Created and designed a robust climbing mechanism which lifted a 130-pound robot quickly and safely. As a team, we won the Iowa regional competition.

Extracurricular Involvement

- **Code Orange - Mentor** (2017-Present)
  - Mentored, engaged, and guided students in the Austin area about fundamental programming. Using Scratch, I will implement a curriculum that allows kids to learn programming at a young age.
- **Machine Learning and Data Science** (2017-Present)
  - Learning basic Machine Learning and data science concepts and implementations in Python. Exploring tensor flow and numpy libraries. Making data oriented models with Panda, numpy, matplotlib libraries.

Additional Information/Accomplishments

- Languages spoken: English (native), Hindi (intermediate), Gujarati (intermediate), Spanish (intermediate)
- FRC Robotics 2410 Iowa Regional Winner/ Texas Fish Bowl 4th place
- Published artist for oil paintings (10 years) | Classically trained in Trumpet (9 years) | Cooking for the past 7 years