NISHNA REDDY ALETI

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EDUCATION

Portland State University, Portland, Oregon.   **GPA: 4/4**
Master of Science, Computer Science, August 2021.
Mahindra Ecole Centrale, India.   **GPA: 7.48/10**
Bachelor of Technology, Computer Science Engineering, May 2019.

SKILLS

Languages: Python, Java, SQL, PostgreSQL, HTML & CSS.
Operating Systems: Windows and Linux.
Tools and Frameworks: Google Cloud Platform, Amazon Web Services, Flask, Git, Dash, Visual Studio IDE.

EXPERIENCE

Graduate Assistant, Portland State University, Oregon, USA.   **(February 2020 - Present)**
- Member of mobile and web team at Portland State University, who designs and develops custom web applications for academic departments, researchers, and affiliated organizations.

Software Development Intern, IT Logix, Hyderabad, India.   **(Jan 2019-March 2019)**
- Analyzed the data from all the NFL team's Twitter accounts using Microsoft SQL Server, Dash framework in Python, for a client National Football League.
- Designed and implemented analytical web application for the client to build strategies to increase followers on twitter by visually analyzing increase/decrease of followers, likes and comments for every 5 minutes.

Software Development and Testing Intern, IBI Group, Hyderabad, India.   **(May 2018-July 2018)**
- Coordinated effectively with the team to find the positive, negative and neutral sentiment of comments on the Facebook public page called "Hyderabad Traffic Police" using TextBlob, Tensorflow, NLP in Python.
- Increased passenger satisfaction by 20.8% by providing recommendations concerning optimization of traffic, routes and scheduling based on analysis.

PROJECTS

MIT Battlecode, Portland State University, Oregon, USA.   **(Winter 2020)**
- This involves coming up with a strategy using various concepts like pathfinding algorithms, network communications in Java to play against an AI player.
- Led daily Agile Scrum meetings and managed project goals using Slack and Trello.

Stock Prediction, Portland State University, Oregon, USA.   **(Fall 2019)**
- Predicted the next 30 days stock market value of Google based on historical data in Python.
- Proved that Long Short Term Memory model could correctly predict the data with the least mean absolute error of 0.025 when compared to Support Vector Regression and linear regression models.

GIPHY Face Recognition, Portland State University, Oregon, USA.   **(Fall 2019)**
- Developed a model view controller application using Python Flask framework to get a GIF based on a keyword and detect the sentiment of the face in the GIF using Google cloud vision API and Giphy API.

Database Management, Portland State University, Oregon, USA.   **(Fall 2019)**
- Populated New York City Airbnb's raw data into PostgreSQL to easily find an Airbnb in NYC.
- Designed SQL queries to analyze all needed information to find out more about hosts, geographical availability, necessary metrics to make predictions and draw conclusions.