NISHNA REDDY ALETI

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EDUCATION

Portland State University, Portland, Oregon. **GPA: 4/4**
Master of Science, Computer Science, June 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, JavaScript, ajax, Jquery.
Operating Systems: Windows and Linux.
Tools and Frameworks: Google Cloud Platform, Amazon Web Services, Flask, Django, Git, Dash.

EXPERIENCE

Graduate Assistant, Portland State University, Oregon, USA. **(February 2020 - Present)**

- Member of mobile and web development team at Portland State University, who designs and develops custom web apps for academic departments and affiliated organizations using Django framework.

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 number 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

Health Application, Portland State University, Oregon, USA. **(Winter 2020)**

- Developed a full stack web Application called Live+ which is a one stop destination for health where it provides features like - symptom-checker, meal planner, finding nearby hospitals, parks and trails.
- Used python Flask as a backend framework along with JavaScript, ajax, Jquery, HTML & CSS for front-end and extracted data from the API's called APImedic, Google maps and Spoonacular.

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.