

Divesh Bhavesh Gadhvi

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EDUCATION

Rutgers, the State University of New Jersey
Master of Information Technology and Analytics
GPA: 3.67/4.00

New Brunswick, New Jersey
Expected December 2023

University of Mumbai
Bachelor of Engineering: Electronics and Telecommunication
GPA: 3.34/4.00

Mumbai, Maharashtra
May 2020

WORK EXPERIENCE

Oracle Financial Services Software

October 2020 – June 2022

Associate Software Developer

- Collaborated in the development and implementation of highly scalable internet banking solutions for different multinational banks in Africa. Designed, developed, and implemented software solutions using various technologies like JAVA, Node.js, SQL, and web technologies like HTML5, CSS3, and JavaScript.
- Conducted impact analysis, wrote high-quality coding, and performed unit level to system integration testing of various system features. Also, worked extensively to enhance the application's performance by over 25% through identification and resolution of software defects and performance bottlenecks. Complete accountability for all project maintenance and support issues before and after go-live.
- Collaborated with cross-functional teams and delegated as a full-stack developer to assist with the development of new customizations based on the client specifications, as well as testing and issue fixing.
- Debugged mobile applications for iOS and Android, providing enhancements to improve the user experience for various projects.

TECHNICAL SKILLS

- **Languages:** Java, Python, C, C++, R, JSON, HTML, CSS, JavaScript, React.js, Knockout JS, XML/XSLT, OJET, SQL.
- **Software and Tools:** MATLAB, Eclipse, Xcode, Android Studio, Visual Code Studio, Jenkins, Postman.
- **Knowledge:** REST Web Services, Machine Learning, Neural Networks, Agile processes, and Image Processing.

PROJECTS UNDERTAKEN

StockSavvyAI Django Web Application

January 2023 – May 2023

- Developed a robust Django web application that offers a StockPredictHQ service powered by a Long Short-Term Memory (LSTM) machine learning model, capable of predicting stock prices for various publicly traded companies based on a range of financial data fetched from Yahoo Finance, helping users to make better investment decisions.
- Designed an intuitive and engaging user interface, allowing users to easily input the companies they want to predict and view the predictions in real-time. The predictions are displayed in a visually appealing manner, with interactive charts and graphs using Plotly and Matplotlib that provide an easy-to-understand representation of the forecasted stock prices along with details about the company.
- Implemented a comprehensive dashboard feature that offers users a wealth of financial data at a glance, including key performance metrics and visualizations that make it easy to understand trends and patterns in the stock market.

Music Recommendation based on Speech Emotion Recognition

September 2022 – December 2022

- Developed an intelligent system using a convolutional neural network (MLP Classifier) to recognize emotions in speech and recommended Spotify playlists based on identified emotions.
- Utilized the 'librosa' library to extract features from the sound file from the RAVDESS dataset, which is the audio-visual database of emotional speech and, performed Data Exploratory Analysis on the dataset to extract meaningful information to train the model.
- Explored the effect of different parameters such as model dimension, number of epochs, and partition ratio between training and test datasets on classification accuracy through experimentation and came up with an optimal accuracy up to 72%.

EXTRA CURRICULAR ACTIVITIES

- Coordinated technical and non-technical events as **IEEE TCET Secretary** and **TCET Student Council Sports Secretary**, leading teams and aiding with event documentation.
- **Volunteered with Prayosha Foundation** to facilitate elementary education for underprivileged girls, planning workshops, mentorship, and career development programs with English tutors and career advisors.