Divesh Bhavesh Gadhvi

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EDUCATION

Rutgers, the State University of New Jersey   New Brunswick, New Jersey
Master of Information Technology and Analytics   Expected December 2023
GPA: 3.67/4.00
Relevant courses: Algorithmic Machine Learning, Analytics for Business Intelligence, Introduction to Data Structures and Algorithms, Software Engineering for Web Applications, and Neural Networks and Deep Learning.

University of Mumbai   Mumbai, Maharashtra
Bachelor of Engineering: Electronics and Telecommunication   May 2020
Cumulative GPA: 3.34/4.00

WORK EXPERIENCE

Oracle Financial Services Software Ltd.   October 2020 - June 2022
Associate Consultant
- Devised and constructed solutions using various technologies like JAVA, SQL, and web technologies like HTML5, CSS3, JavaScript. Collaborated in the development and implementation of internet banking solutions for different multinational banks in Africa.
- Engaged in impact analysis, design, coding, and unit level to system integration testing of various system features. Also, worked extensively to enhance the application's performance by more than 25% compared to before. Complete accountability for all project maintenance and support issues before and after go-live.
- Delegated as a full-stack developer, assisting with the development of new customizations based on the client's specifications, as well as testing and issue fixing.
- Additionally, developed and fixed bugs in mobile applications for iOS and Android for several 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, SOAP UI.
- **Knowledge:** REST Web Services, Machine Learning, Neural Networks, Agile processes, and Image Processing.

PROJECTS UNDERTAKEN

Music Recommendation based on Speech Emotion Recognition   September 2022 – December 2022
- Created an intelligent system using a convolutional neural network (MLP Classifier) to recognize emotions in speech and recommend 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 convert it into information.
- 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%.

Implementation of Swarm Drones for Disaster Management   September 2019 – May 2020
- Implemented swarming technique on Master and Slave Drones for executing more tasks than individual drone could.
- Developed a master and slave drone utilizing an APM2.8 Flight Controller with Telemetric Communication, SJCAM SJ6 Camera, and an Auto Fire Off (AFO) Ball for fire extinguishment.

LEADERSHIP ACTIVITIES

IEEE TCET *Publication Student Coordinator, Secretary*   July 2017 – May 2019
TCET Student Council *Sports Secretary*   July 2019 – May 2020
- Organized various Technical and Non-Technical events for the students.
- Responsible for leading several teams that oversaw the events. Also aided with the event documentation.

NGO: Prayosha Foundation - *Volunteer*   July 2018 – Present
- Facilitated in elementary education for underprivileged girls.
- Workshops, group mentorship, and career development programs were all planned in collaboration with English tutors and career advisors.