

Divesh Bhavesh Gadhvi

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EDUCATION

Rutgers, the State University of New Jersey

Master of Information Technology and Analytics | GPA: 3.85/4.00

New Brunswick, New Jersey

December 2023

University of Mumbai

Bachelor of Engineering: Electronics and Telecommunication | GPA: 3.34/4.00

Mumbai, Maharashtra

May 2020

TECHNICAL SKILLS

- **Languages:** Java, Python, C, C++, R, JSON, HTML, CSS, JavaScript, ReactJS, TypeScript, XML/XSLT, NodeJS, SQL, PostgreSQL
- **Software and Tools:** MATLAB, Eclipse, Xcode, Android Studio, Visual Code Studio, Jenkins, Postman, WinSCP, SVN, Jira, Git
- **Knowledge:** REST Web Services, Machine Learning, Neural Networks, Apache, Agile processes, Image Processing, Django, SDLC

WORK EXPERIENCE

Chera Health

Software Engineering Intern

New York, New York

June 2023 – August 2023

- Developing and maintaining React-based web applications and React Native-based mobile applications, leveraging industry best practices to enhance user interfaces and deliver exceptional user experiences
- Actively collaborating with a team of experienced software engineers, participating in code reviews, debugging, and testing, leading to a **15% reduction** in software defects and ensuring the delivery of high-quality software products on schedule
- Integrated and secured API endpoints using Auth0 authentication and authorization services, ensuring robust security measures and protecting sensitive user data
- Conducted API testing using Postman, resulting in a **25% decrease** in backend service-related issues and bugs, ensuring the reliability and functionality of the APIs and maintaining high-quality standards for the software product

Oracle Financial Services Software

Associate Software Developer

Mumbai, Maharashtra

October 2020 – June 2022

- Played a key role in the collaborative development and implementation of highly scalable internet banking solutions for various multinational banks in Africa, using various technologies like JAVA, Node.js, SQL, and web technologies like HTML5, CSS3, and JavaScript to enhance user experiences for **millions of users**
- Performed impact analysis, wrote high-quality code, and conducted unit level to system integration testing of various system features, ensuring a **95% defect-free** software release
- Partnered with cross-functional teams and delegated as a full-stack developer to assist with the development of **50+** customizations based on the client specifications
- Successfully **resolved 60%** of reported issues and played a vital role in meeting project deadlines. Achieved over **25% performance enhancement** by resolving defects and bottlenecks, optimizing application efficiency and user experience
- Efficiently debugged mobile applications for iOS and Android platforms and implementing targeted enhancements leading to a **25% improvement** in user engagement and a **15% boost** in user satisfaction ratings across multiple projects

PROJECTS UNDERTAKEN

StockSavvyAI Django Web Application

January 2023 – May 2023

- Developed a robust Django web application with a StockPredictHQ service powered by an LSTM machine learning model, predicting stock prices based on financial data from Yahoo Finance, enhancing investment decision-making
- Designed an intuitive user interface enabling easy input of desired companies and real-time visualization of predictions through interactive charts and graphs using Plotly and Matplotlib
- 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 EDA 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