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 | GPA: **3.85/4.00**   December 2023
Coursework: Data Structures and Algorithms, Software Engineering for Web Development, Analytics for Business Intelligence, Algorithmic Machine Learning, Neural Network and Deep Learning, Information Security,

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

TECHNICAL SKILLS

- **Languages:** HTML, CSS, JavaScript, ReactJS, Java, Python, C, C++, R, JSON, jQuery, TypeScript, XML, NodeJS, MySQL, PostgreSQL
- **Software and Tools**: Linux, Eclipse, Xcode, Android Studio, Visual Code Studio, Jenkins, Postman, WinSCP, Jira, Git
- **Knowledge:** REST Web Services, Machine Learning, Neural Networks, Agile processes, CI/CD, Django, SDLC, AWS

WORK EXPERIENCE

Chera Health   New York, New York
Software Engineering Intern   June 2023 – August 2023

- Developed and maintained React-based web applications and React Native-based mobile applications within a dynamic startup environment, leveraging industry best practices to **enhance user interfaces** and **deliver exceptional user experiences**
- Collaborated actively 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 timely delivery of high-quality software products
- **Integrated and secured 500+ API endpoints** using Auth0 authentication and authorization services, ensuring the application's security measures and safeguarding sensitive user data
- Executed comprehensive 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
- Contributed significantly to the full software development lifecycle (SDLC), overseeing research, design, testing, and implementation. Led iterative development, **reducing delivery time by 20%** and seamlessly integrating new functionality

Oracle Financial Services Software   Mumbai, Maharashtra
Associate Software Developer   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, leveraging technologies like JAVA, Node.js, SQL, and web technologies like HTML5, CSS3, and JavaScript to enhance user experiences for **millions of users**
- Achieved a remarkable **95% defect-free software release** through meticulous impact analysis, high-quality code writing, and unit-level to system integration testing of various system features
- Partnered with cross-functional teams as a full-stack developer to **develop 50+ customizations** based on client specifications, significantly enhancing the application's versatility
- Successfully **resolved 80% 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
- Effectively managed complex SQL databases customized for generating diverse bank reports, implementing optimized queries to **reduce report generation time by 25%**, ensuring efficient extraction of relevant data for comprehensive and timely reports

PROJECTS UNDERTAKEN

StockSavvyAI Django Web Application   January 2023 – May 2023

- Developed a robust Django web application featuring StockPredictHQ service leveraging the 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
- Leveraged 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 impact of various parameters such as model dimension, number of epochs, and partition ratio between training and test datasets on classification accuracy through statistical analysis and came up with an **optimal accuracy up to 72%**