Deep Mistry

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Education

New Jersey Institute of Technology, Newark, NJ
Master of Computer Science, May 2023

Fr. Conceicao Rodrigues College of Engineering, Mumbai, India
Bachelor of Engineering, May 2020

Technical Skills

- **Programming Languages:** Python, Java, React, JavaScript, SQL.
- **Domain Knowledge:** Database systems, Object-Oriented Development, Data Science, Software Engineering.
- **Tools:** Visual Studio, Git, Eclipse, Anaconda, PyCharm.

Experience

Full Stack Developer –D-Webbox   Sept 2020 – July 2021
- Working with team to develop educational platform with social media, chat and learning management system experience for education institutes by building scalable front-end applications and back-end services.
- Contributing to full stack of web application that leverages React.JS, GraphQL, Firebase and collaboration with Microsoft teams along with DevOps practices.

Software Development Intern – Budsta Analytics and Insights Pvt. ltd   December 2018 - April 2019
- Worked on a live project of **License Plate regulated entry into a parking garage**. Developed machine learning model to fetch the license plate number from vehicles for authenticated parking entries.
- Determined optimal data manipulation techniques to handle multiple angles of an image as well as live footage.

Projects

Sonar, A publish subscribe communication model [https://github.com/DeepMistry11/Sonar]
- Programmed an application using Java based on 1995 Hollywood film Crimson Tide, the application focuses on Network/ Authentication/ Security aspects of communication used in Submarines.
- Constructed a publish subscribe model using Network protocols for genuine message transfer including formatted and Authenticated message deliveries. [Java, Apache AMQ]

Google Meet Clone [https://github.com/DeepMistry11/Google-Meet]
- Developed a video conferencing application which allows users to make real time video calls as well as screen sharing and real time message transfer using React JS for interactive UI, Socket for live updating, Redis for data persistence.

Education Ecosystem [https://glidin.com/]
- Built an intelligent and adaptive learning platform in ReactJs for educational organizations to help improving interactive learning by creating Learning management system.
- Created the complete User Interface of application and integration of APIs of Business, College, Teacher/Student Portals including Social Media feature such as Feeds, Events, Groups, Chat System for private groups with options such as media and voice notes sharing.

Medical Ecosystem [https://medvatic.com/#/]
- Worked on HealthCare ecosystem featured with Hospital management, Appointment Booking Management for Patient.
- Responsible for User Interface of various portals such as Doctor and Patient Portals. Including Appointments and Prescription Management, Patients and Doctors registration to portals.

Disney plus app [https://github.com/DeepMistry11/DisneyPlus]
- Built a Disney Plus Web application with modified user interface and integrated with movie database API.
- Implemented using React JS for interactive UI, Google's Firebase for Authentication, NPM for client setup.

Automatic attendance system using face recognition
- Practiced various algorithms to achieve optimum results for face recognition of students in classroom.
- Collected approximately 200 images of each student and Implemented Deep learning based detection and achieved an accuracy of 94% in predicting students present in classroom.
- Implemented Graphical interface for smooth user experience.