PARIN SHAH

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EDUCATION

Mukesh Patel School of Technology Management and Engineering, NMIMS, Mumbai **2016 - 2020**
Graduated as Bachelor of Computer Engineering with *Distinction* **83.5%**

PROFESSIONAL EXPERIENCE

Birthvenue, Mumbai *Project Intern* **Mar 2019 – May 2020**

- Developed a universal rating platform for all types of cryptocurrencies and tokens available in the market based on financial and non-financial parameters to help investors make decisions.
- Designed a regularized regression model that takes in the parameters, determines the ranking and displays the rankings of over 1100 cryptocurrencies on a website. (Link)
- Published a whitepaper that includes details about the phases, parameters and the developed model.
- Technologies and Frameworks used: Python, HTML, CSS, ReactJS, MySQL, AWS, Flask.

Oracle Financial Services Software Limited, Mumbai *Research Intern* **May 2019 – Jul 2019**

- Interlinked LDAP server in Kubernetes for authorization purposes to automate manual formation of access roles in banking systems using existing data.
- Implemented OpenID connect with Dex to fetch the relevant roles from the server and authorized multiple users by assigning permission to roles using Role Based Access Control (RBAC).
- Technologies Used: Docker, Kubernetes, Java, HTML.

ACADEMIC PROJECTS AND PAPER

Immersive Visualization in Medical Imaging: Reports 3D

- Designed a web application to bridge the semantic gap between medical practitioners and laymen by leveraging the use of Augmented Reality as a graphically intensive solution.
- Developed a machine-learning algorithm to detect the size and location of the tumor from the MRI images and generated 3D gltf and usdz files of the patient's organ with tumor to be viewed in AR.
- Incorporated the pipeline in a web application for the doctors that includes a dashboard and unique shareable link for every patient's report.
- Technologies used: HTML, Flask, Blender, Python with libraries VTK, SimpleITK, bpy, Tensorflow and Keras.

Grocery Store Case Study

- Provided recommendation using various analytical techniques on how to expand to a grocery store chain.
- Clustered the existing stores into three clusters using K-Means. The clusters were developed taking into account variety of parameters. Predicted the clusters for new stores using Boosted Model with an accuracy of 83%.
- Forecasted fresh produce sales of every month for the next year based on historical data using ARIMA model.
- Technologies used: Alteryx, Excel and Tableau.

C:Drive

- Developed a web application to provide a shared platform for students and teachers to create course content repository accessible to both for viewing, uploading, managing, and approving documents, and is open for discussion.
- Incorporated features to upload documents, download documents of users and discuss queries regarding any given topic.
- Technologies used: PHP, HTML, CSS and JavaScript.

Review of Credit Card Fraud Detection Techniques

- Analyzed currently used credit card fraud detection algorithms using various parameters such as pre-processing, complexity, computation time, accuracy and listed their advantages and disadvantages with a suitable use-case.
- Paper published in 2019 IEEE International Conference on System, Computation, Automation and Networking (ICSCAN). ISBN 978-1-7281-1525-2

SOFTWARE SKILLS

- Programming Languages: Python, SQL, SAS, C, C++.
- Web Technologies: HTML, CSS, Bootstrap, JavaScript, PHP, ReactJS, Django, Flask.
- Software and Frameworks Tools: SAS Visual Analytics, Tableau, Alteryx, Unity 3D, Android Studio, Docker, Kubernetes.
- Operating Systems: Windows, Linux.

CO-CURRICULAR AND EXTRA CURRICULAR ACTIVITIES

- Completed Udacity Nanodegrees: 'AI for Trading' | 'Predictive Analytics for Business' in 2020.
- Completed following courses online: 'Machine Learning' by Stanford University in 2018 | 'Applied Data Science with Python Specialization' by University of Michigan in 2019 | 'Data Visualization with Tableau Specialization' by University of California Davis in 2020.
- SAS Certified Associate: Programming Fundamentals using SAS 9.4
- Selected as the Student Mentor at Association for Computing Machinery (ACM) in Mukesh Patel School of Technology Management and Engineering (MPSTME), advising the technical department to conduct workshops and events from 2019.
- Elected as the Technical Head of ACM MPSTME, conducted and taught in various technical workshops and events like AR using Unity 3D, C programming, and served as a project mentor for teams working in the domain of Augmented Reality.