

EDUCATION

Qualification	Institute	Board/ University	Year of Passing	%/C.G.P.A.
MBA (Tech)	Mukesh Patel School of Technology Management and Engineering	NMIMS Mumbai	Currently Pursuing (4th year)	3.23/4.0
XII	Vidya Niketan Birla Public School	C.B.S.E.	2016	81.60%
X	Shri Ramswaroop Memorial Public School	C.B.S.E.	2014	8.8/10.0

CORE SKILLS

Domain	Proficient in	Familiar With
Languages	Python, C++	C, Java, C#, R
Operating Systems	Windows, Ubuntu	Mac
Web Development	HTML5, CSS3, Bootstrap, JavaScript	WordPress, PHP
Database Like	SQL	Firebase
Other Tools	Microsoft Suite, GIT, Android Studio, Figma Prototyping	Adobe Suite, StarUML, AutoCAD, Pad2Pad

WORK EXPERIENCE

1. Editorial and Content Creation Team

Apprentice Virtual Classroom -- January 2018 – July 2019

- ➔ Virtual platform for students in rural and underdeveloped areas to study in real time virtual environment of top schools and institutions.
 - We successfully conducted classes for general subjects, in the village near our campus on each Sunday for over a year. (Now being conducted by Each one Save One – Pathsahala initiate by our college students).
 - We also conducted a Resume Building and Interview approach workshops, one in our own college.
 - Secured Top 400 in Smart 50 Challenge 2018 (Team Tyro EdX)
 - Secured Top 30 in Chancellor Challenge 2018 (Team Tyro EdX)

PROJECTS

1. Stock Market Forecasting using Time-Series Analysis (Python Programing Language)

- ➔ Built a total of 6 models that performs a time-series trend analysis on the Closing Price of stocks of State Bank of India, based on the dataset obtained from moneycontrol.com. We also compared the %error values which were obtained and decided upon the best performing model out of that.

- ➔ Moving Average, Linear Regression, Customized K-NN, fbProphet, Auto-Arima, and Long Short Term Memory.
 - ➔ Obtained the best MAPE value of 1.09% from the LSTM model, which considering the volatility, of the stock market is a very good prediction level.
 - 2. **Portfolio Website – <https://dipanshuagarwal.github.io>**
 - ➔ Digital Portfolio, containing web development projects. The portfolio is built from scratch using Bootstrap and use JavaScript for added animations and smoothness.
 - 3. **Hospital Management System (C++ Programming Language)**
 - ➔ The Project was also tested using the Black Box approach. In the Black Box Test: - The software was tested in a total of 8 hospitals and 17 pharmacy shops. At the end it was concluded, that the software needed a much-desired UI instead of working on a black and white screen, and to create more organized csv output files.
 - 4. **Game-Hub (Android App using Java as the Language of Choice)**
 - ➔ An Android Application, which had a collection of 3 games (Tic-Tac-Toe, Chess and Spin the Bottle); every game had multiplayer capability, and would maintain a file with player names and their respective scores in each game.
 - 5. **TIC-TAC-TOE (C++ Programming Language)**
 - ➔ Designed a TIC-TAC-TOE game using C++ having both one player and two players' gameplay capabilities.
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CERTIFICATION/WORKSHOPS

1. Certified in PY0101EN, provided by IBM COGNITIVE CLASSES
 2. Completed Machine Learning and Data Science: Zero to Mastery, Udemy
 3. Completed Build Responsive Real World Websites with HTML5 and CSS3, Udemy
 4. Completed JavaScript Course 2020: Build Real Projects!, Udemy
 5. Completed Learn C#, Udemy
 6. Completed PHP for Beginners, Udemy
 7. Artificial Intelligence Workshop – Conducted by Microsoft Training Association
 8. Hack-X-Ploit, Ethical Hacking Workshop – Conducted by Lucideus
 9. Crypto Currency Workshop – Conducted by NMIMS, Ambiora Techfest
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EXTRA-CURRICULAR ACTIVITIES & INTERESTS

Extra-Curricular:

1. **आनंद सबके साथ** : A initiative taken by public welfare NGO, **मारवाड़ी युवा मंच** every year at the time of Diwali, to bring happiness to the live of underprivileged, in which they take the full responsibility of a village which is so removed from society that all the people there do not even have Aadhar card, or another form of Government issued Id.
2. Organizing Committee, Ambiora 2018 – As part of the Documentation Team.

Interests:

- Solving LeetCode Problems
- Reading Novels
- Debates