



JINAL S. BHAGAT
M.E. – C.E. (Pursuing)

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Address: 25-A, Royal Palace,
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Near Mota bazar,
V.V.Nagar,
Dist.Anand 388120.

Career Objective: To seek a challenging job and enhance professional skills with the help of my theoretical as well as practical knowledge.

Research Work:

- Jinal Bhagat and Dr. Geetali Saha, "Pollutant PM2.5 Multi Step Prediction Under Seasonal Influences across 13 Indian Cities," 2021 Innovations in Power and Advanced Computing Technologies (i-PACT), 2021, pp. 1-8, doi: 10.1109/i-PACT52855.2021.9696866. (<https://ieeexplore.ieee.org/document/9696866>)

This conference was organized by University of Malaya, Kuala Lumpur, Malaysia and Vellore Institute of Technology (VIT), Vellore, India. In this research we have predicted the values of PM2.5 using models ARIMA and Seasonal ARIMA (SARIMA) we have used data obtained from Central Pollution Control Board (CPCB), under the Ministry of Environment, Forest and Climate Change, India for 13 highly polluted, spatially distributed cities across India. K-NN algorithm is used to fill the missing values in the time series. Using the training dataset of approximately 2 years' hourly data, a 24-hour multistep forecast is obtained for 31st Dec 2020 and the same is repeated for all the days in the month of January 2021.

- As a final year thesis, research work under pursuance for "Masked Face Recognition, using deep learning", guided by Dr. Mahesh Goyani.

As a part of a dissertation around 40 papers have been reviewed, all specific of the field Masked Face Recognition. This survey organizes and reviews the recent works developed for MFR based on deep learning techniques. Implementation includes face reconstruction using Generative Adversarial Networks and Image Inpainting techniques along with different Face Recognition classification algorithms.

Academic Profile:

Degree	Institute	Completion Year	University / Board	Result
M.E. (C.E.)	Government Engineering College, Modasa	2022	Gujarat Technological University	8.87 CPI
B.E. (I.T.)	Ahmedabad Institute of Technology, Ahmedabad	2014	Gujarat Technological University	7.55 CGPA
H.S.C.	Somnath Higher Secondary School, Ahmedabad	2010	GSHEB	63.80%
S.S.C.	Swaminarayan School, Ahmedabad	2008	GSEB	88.92%

Work Experience:

Year	Company	Designation
2013-14	RefreshIT	Project Trainee
2015-16	Aspire Web Technology	Android Developer
2017-19	SMS For You	Project Leader
December 2019- March 2020	SEMCOM	Visitor Faculty

Professional Training:

- Certified course of C, C++ and ASP.NET from ACT (Academy for Computer Training), Ahmedabad
- 12 months Industrial Training in Android from Refresh IT Software Solutions, Ahmedabad

Research Interests:

- Machine Learning
- Time Series
- Image Processing
- Deep Neural Networks

Strengths:

- Proactive in learning new things
- Ability to adapt quick changes
- Dedicated and hardworking towards goal achievement
- Good team leader as well a supportive team member

Accomplished Projects:

- **Engineering Funda (Android Application)**

Technology: Android

Engineering Funda is an educational application developed for students. It is an official app for youtube channel Engineering Funda, where educational videos and study materials are provided for free.

- **School Management System (Android Application)**

Technology: Android

This application is published under names of individual schools of Dhrangadhra and Halvad on play store. It is used as an Android interface to view growth report of a student for their parent.

- **KIFS Connect (Human Resource Management System)**

Technology: Code Igniter, MySQL

This application was a web based HRMS portal for KIFS Trade Capital. It was used to maintain various information of employees like profile, payroll, leaves and attendance.

References:

- **Dr. Geetali Saha**

Assistant Professor, G.H. Patel College of Engineering & Technology, V.V.Nagar

- **Prof. Hitesh Dholakiya**

Assistant Professor, Shree Swami Atmanand Saraswati College of Engineering & Technology, Surat

- **Smit Bhagat**

Vice President, SMS For You, V.V. Nagar and Alumni, GCET

- **Dr. Jayantibhai Rana**

Ex. I/C Principal, N.H. Patel College of Education, Anand

Declaration:

I hereby declare that the information given here is true to the best of my knowledge and proofs would be furnished whenever required.

Date:

Jinal Bhagat