



Dilip Valiya

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EDUCATION

Degree	University/Institute	Year	CPI/Aggregate
B. Tech. (ICT with minor in CS)	Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, Gujarat	2017 – 2021	7.61
Intermediate/+2	Gyanmanjari Vidyapith, Bhavnagar, (Gujarat) Gujarat Board.	2015 – 2017	96.00%
High School	Sheth M. N. High school , Mahuva, (Gujarat) Gujarat Board.	2013 – 2015	82.17%

SKILLS

Area(s) of Interest	Data structures and Algorithms, Machine Learning, Web Development
Programming Language(s)	C, C++, Python, HTML, CSS
Tools and Technologies	Linux, LTspice, LaTeX, MATLAB, Logisim,
Technical Electives	Systems Software, Data Structures, Design and analysis of Algorithm, Probability and Statistics, Groups Linear Algebra, Discrete Maths, Calculus, Software Engineering, Operating systems, Computational Finance, Modeling and Simulation, High performance computing, Computational and Numerical methods, Database Management systems, Optimization.

PROFESSIONAL INTERNSHIPS

Rural Internship	Development Support Center Guide: Prof. Alka Parikh Prof. Rahul Muthu	(Dec 06 - Dec 31) Team Size - 4
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It was a 4 weeks internship. We visited some villages of Meghraj city of Gujarat During this internship we took the location (longitude, latitude) of every schools, Anganwadi, Deri, temple, etc. of total 10 villages with help of Kobe toolbox inscribed on Google Map with their all information So DSC can access villager's information digitally and manage data easily. Also we do survey of every single family in that villages.

Summer Internship	Breast cancer detection and Predict Visibility, Performance Prediction of Physical system (Machine Learning) Guide: Prof. Amit Mankodi	(May 1 - Aug 31) Team Size - 3
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I got an idea of my project (Breast cancer detection) from the Kaggle website. I downloaded CSV file from there and do some preprocessing in it. Then wrote python code to predict whether using a given set of data it cancer or not (Malignant / Benign).

Second project I do was about predict visibility using temperature as input parameter Using Linear regression model from SKLearn library. (Also downloaded csv file from Kaggle).

Final project that we did was about Predict the performance of the physical system. We predict run-time for a different system having different features.

PROJECTS

1)

Parallel merge-sort
Guide: Prof. Bhaskar Chaudhary

(Apr,6 – May,2)
Team Size - 2

In this project, I wrote a serial code of merge-sort than I parallelize it using OpenMP Library supported in c. then we plot the serial algorithm's run-time along with parallel algorithm's run-time for different problem sizes and a different number of threads in parallel code. That is how we visually checked the performance of parallel code along with serial code.

2)

Stock Market Analysis

Guide: Prof. Saurabh Tiwari

(Feb,1-May,15)

Team size - 11

We make Website for stock market analysis. In this website we Include features like login/logout, peer comparison, make a portfolio for the given stock. We can add/drop stock in my portfolio. We can plot pay-off for the options.

I worked on the front-end of the website, and make a page for peer comparison also do some design part. Also, make the class diagram for the earlier part of the project.

Position of Responsibility

- Two-time Anchor of the School Program for New children come in School.
- Became a leader of class from standard 3 to 10.

Awards and Achievements

- 3rd rank in “Shighra Ganan Sprdha” held in Mahuva (Between All School, students of std. 6,7 and 8)
- 1st in Writing Essay about “Dr. Sarvapalli Radhakrishnan”. That is also held between all the school of Mahuva in std. 8.
- Got 94th rank in ACPC merit list.

Interests and Hobbies

- Cricket – Play Intern-Batch Tournament, DA-IICT Cricket League
- Coding
- Reading Books