



OM MUKESH PALSANAWALA

Dhirubhai Ambani Institute of Information and Communication Technology

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EDUCATION

Degree	University/Institute	Year	CPI/Aggregate
B.Tech ICT	Dhirubhai Ambani Institute of Information and Communication Technology	2017-2021	6.75
Higher Secondary Class XII	SMT. V.D. Desai (Wadiwala) School, Surat, (Gujarat) GSEB	2015-2017	95.50%
Secondary Class X	SMT. V.D. Desai (Wadiwala) School, Surat, (Gujarat) GSEB	2014-2015	90.33%

SKILLS

Expertise Area/Area(s) of Interest	Full-stack development, Data Structures and Algorithms, Probability and Statistics, Object Oriented Programming
Programming Language(s)	C, C++, JavaScript, SQL, Python3
Tools and Technologies	Django, GitHub

PROFESSIONAL EXPERIENCE/INTERNSHIPS

Anarde foundation trust, Valsad (Rural internship)	We visited Dharampur and three other villages of Valsad. We interacted with the farmers. We asked them about problems they are currently facing and we tried to come up with ICT based solutions.	Dec, 2018 - Jan, 2019 Team Size - 12
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Guide: Mr. Chetanbhai I Thakor

PROJECTS

Detect heart bits of a person from a remote location using pulse sensor, arduino and zigbee module

The project was divided into three units: 1) Observing the waveform of the sensor data. 2) Code in Arduino for detecting whether the waveform includes heart pulses or not. Print "Alive" if the pulse pattern detected. 3) Transmit and receive "Alive" or not through XBee module.

March, 2019 - April, 2019

Team Size - 10

Guide:

Prof. Rutu Parekh

Process Scheduling algorithm implement- ed in C++.

Multiple processes given with a start time, time required to complete and priority in a text file. 4 functions implemented for:

March, 2019

Team Size - 1

Guide:

Prof. Jayprakash

1) first come first serve policy
2) shortest remaining time next policy
3) highest response ratio next policy
4) priority policy
using different Gannt charts for it.
Output tells finish time, turn around time, initial wait and intermediate wait for each process and mean waiting time and turn mean turn around time for the given processes for each of the policies in different text files for each policies.

Database management systems project on medical record management

Observed how clinics keep medical record of the patients who visit the clinic. Following tasks were done in order to make RDBMS on Postgres server:

20 September, 2019 to 18 November, 2019

Team size - 4

Guide: Prof. P M Jat

1) created ER diagram
2) created relational schema
3) created database schema on postgres server
4) defined stored procedures for tasks like, generating bill, deciding due date for bill payment.
5) made a console application on python3 to execute queries on database from remote host.

POSITIONS OF RESPONSIBILITY

- Core member | Electronics Hobby Centre at DA-IICT
- Coordinator | Annual cultural event Synapse at DA-IICT

INTERESTS AND HOBBIES

- Adventure
- Science fiction movies