DHRUMIL M. PATEL

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EDUCATION

GUJARAT TECHNOLOGICAL UNIVERSITY
B.E. Computer Engineering
April 2018* | CGPA: 8.29/10.00

BHAVAN'S NARMADA VIDYALAYA
H.S.C
June 2014 | Percentage: 58.4
S.S.C
June 2012 | Percentage: 80

COURSEWORK

UNDERGRADUATE
Analysis and Design of Algorithms
Data Structures
Database Management System
Data Mining
Computer Organization
Information and Network Security
Engineering Economics and Management

STATISTICS
Numerical and Statistical Methods for Computer Engineering
Vector Calculus and Linear Algebra

MOOCS
Microsoft DAT208x: Python for Data Science
The R Programming Environment
Introduction to Big Data
Big Data Modeling and Management Systems

SKILLS

PROGRAMMING
R • Python • C • C++ • JAVA
SQL • HTML5 • Arduino

TOOLS
R studio • Tableau • Qlik sense • Arduino • VMWare

PLATFORMS
Linux (Ubuntu, Kali) • Windows • Mac OS

SOFT SKILLS
Problem solving • Leadership • Self-Confidence

ARCHITECTURE
[dot]NET • von-Neumann • RISC

EXPERIENCE

COLLEGE REPRESENTATIVE │ The Entrepreneurship Cell, Indian Institute of Technology, Bombay
August 2017 – Present | Mumbai, India
- Role: To represent E-Cell, IIT Bombay in my college and bring my personal development as well as advancement of the entrepreneurial eco-system in my college.

VOCATIONAL TRAINEE │ Computer Department, Bharuch Municipality
May 2017 - June 2017 | Bharuch, Gujarat, India
- Worked with various depatments and officers of Municipality to understand the workflow of Solid Waste Management in the city to develop an accurate sollution for Municipal Solid Waste Management.
- Improvised Municipality Website by adding subsection links and updating the information of Deparment officers with pictures.

PUBLICATION

RECENT RESEARCH IN WIRELESS SENSOR NETWORKS: A TREND ANALYSIS
Springer | ICT4SD 2016
Goa, India

ACADAMIC PROJECT

SMART SOLID WASTE MANAGEMENT SYSTEM
SMART INDIA HACKATHON 2017 - TOP 10
Group project • 3 years
A low-cost, dynamic, energy efficient and easily deployable embedded system is installed into a garbage container which also includes a web platform for analysis and Machine Learning algorithms to predict the future movement.

HACKATHON

SMART INDIA HACKATHON 2017
SKCET, Coimbatore | TOP 10
Role - Team Leader and Data Analytics part of the system

SMART CITY RAJKOT HACKATHON 2017
Marwadi University, Rajkot
Role - Team Leader and Machine learning part of the system

VOLUNTEER EXPERIENCE

VISAKA, GOVERNMENT OF INDIA
Student Volunteer
Dec 2016 - Feb 2017 • 3 months
Education
VISAKA - An initiative by MHRD, Government of India to identify some households and trained them regarding the various digital financial modes available to them.

FOOTPRINTS, GUJARATS' LARGEST TECHNICAL SYMPOSIUM
Event Photographer
Feb 2015 and Feb 2016 • 2 years
Science and Technology
Official Event Photographer of Footprints X5 and X6 at Faculty of Technology, Maharaja Sayajirao University, Vadodara.