

Jay Chakalasiya

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DOB : 28 / 11 / 1995

Aiming to make career in Data analysis, Artificial-Intelligence, and Research & Development. My major goal is to provide possibilities with the combination of science and programming.

Education

Bachelor of Technology in Computer Engineering

07 / 2014 - Present

Institute of Technology, Nirma University

PPI : 8.5 / 10

Minor Specialization in Network Security

07 / 2016 - Present

Institute of Technology, Nirma University

PPI : 8.0/10

Higher Secondary Education

04 / 2011 - 04 / 2013

Mr. M.L.Patel & Mrs. D.M.Patel Higher Secondary School, Surat

GSHEB Board

Percentage : 90.65 %

Projects

Automatic Boiler Temperature Control

01 / 2015 - 04 / 2015

Team Leader

Programmed a Arduino board to detect temperature using LM35 IC and implemented it to automatically control temperature when critical conditions arises in boiler.

Heartbeat Monitoring Sensor Module

07 / 2015 - 11 / 2015

Team Member

Achieved a goal to create cheapest solution to measure heartbeat, and represent it visually on computer screen which can give current health status using Arduino and C-programming, experienced the difficulties when incorporating science with programming to deal with real life problems but it is worthy.

Hand Written Character Recognition Using ANN

01 / 2016 - 05 / 2016

Team Leader

Created a Neural Network which can recognise the hand written characters in a blink of eye, via using Matlab, C++, and Tensorflow framework, in doing so gained experience of database handling, dataset creation, supervised learning and Image processing

Stock Market Prediction

05 / 2016 - 03 / 2017

Team Member

Created a predictor which can predict the changes in stock market using past data, learnt portfolio analysis and improvement, data preprocessing, feature generation and selection as well as deal with the stock market anomalies like day of the week effect, the biggest accomplishment in this project was to introduce time as a feature which had increased overall accuracy of predictor by 5-7 %.

Digitalization of University - Epay System

01 / 2017 - Present

Team Member

Our aim is to provide a infrastructure which can work on E-money to solve issues regarding loose money, accounting, and transparency between management and students, as well as well efficient use of resources available like ID cards, as a part of this project we had implemented Epay system for canteen. As a good business Idea our project is approved and funded by IDEA lab Nirma University.

Independent Course Works

Introduction to Artificial Intelligence
Udacity

Introduction to SQL
Codecademy

Intermediate SQL
Codecademy

Game Development Using Unity3D
Udemy

Microeconomics
Coursera

Web Development using node.js and Angular.js
Codecademy

Introduction to Python and R for data science
DataCamp

Specialization In Data science
DataCamp

Solving Differential Equation in Python
Udacity

Android App Development
Udemy

Skills and Experties

- Entrepreneurship
- Leadership
- Project management
- Research & Development
- Risk Management
- Verbal and Written Communications
- Creativity
- Critical thinking

Computer Knowledge

- C, C++, Python, R, C#, Javascript, PHP
- Graphic Designing
- Database Management
- Open-source contribution
- Game Development
- Data Analysis
- Robotics & IOT
- Computer Vision
- Machine Learning

Achivements

- Won a Roborace at technical festival by ISTE at Nirma University
- Took A workshop on Game development using Unity3D Horizon - 2017, Nirma university

Volenteering Experience

- Member of Anti-ragging committee and student mentor at Nirma University
- Volunteered for Woman empowerment camp, organized by IEEE

Personal Information

- Languages Known - English , Hindi , Gujarati (Reading, Writing, Speaking)
- Interests - Physics, Space, Life, Philanthropy, Energy, Artificial Intelligence, Video Games, Reverse Engineering
- Open source contributions :
github account : <https://github.com/jay-chakalasiya>
- linkedIn profile : <https://in.linkedin.com/in/jay-chakalasiya-a3371b115>
- competitive coding Experience
<https://www.codewars.com/users/JayChakalasiya>
<https://www.hackerrank.com/chakalasiyajay00>