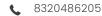
Dip Patel

Computer Science Undergraduate





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SKILLS

- C/C++
- Data Structures & Algorithms
- Oops
- Python
- Django
- PHP

- Java

- HTML / CSS / Bootstrap
- Mysql
- Machine Learning basics
- · Operating system
- Computer **Networks**
- Git
- NLP

EDUCATION

Streamlit Library

Computer Science (B.tech)

- Nirma University(2019-2023)
- PPI: 8.66/10

H.S.C(12th)

- Ash secondary School(2018-2019)
- percentage: 91.00(Ranked amongst top 1%)

CERTIFICATIONS

- Algorithmic-Toolbox by Coursera(100%)
- Certificate for Completion of Linux AWK **Training**
- Certificate for Completion of Java Progra ming Given Under Spoken Tutorial Project, IIT Bombay.
- Coding Ninjas excellence in DSA.
- Coding Ninjas excellence in C++ (Top Performer)

EVENTS & ACHIEVEMENTS

- Nirma University Scholarship -90000 Rs.
- Ranked 1335 /15000+ All India Jobathon -GeeksforGeeks
- 6th National Engineering Olympiad (NEO 6.0) AIR-256 (Amongst Top 5 % Scorers).
- Scored Under 1500/15000 Rank in August Long Challenge at Codeshef

PUBLIC/CODING PROFILES

LinkedIn Geeks for Geeks

Hacker Rank Leetcode

WORK EXPERIENCE(RESEARCH PROJECT)

Route Optimization in Smart waste 2022- Ongoing Management System(SMART DUSTBIN)

- Smart Dustbin is a Nirma University-funded project in cooperation with Ahmedabad Municipal Corporation that tries to solve the problem of efficient waste management using IoT and graph theory concepts.
- Technologies Used: Python, MapQuest API, Machine learning, Artificial intelligence.
- Project uses Genetic Algorithm and K-Means Clustering for route optimization.
- · Results of study highlights that 47 major points of Ahmedabad city can be covered in less than 96 minutes by traveling 129 km using just 9 trucks.
- Defeated IEEE conference paper (Optimal Routing for Solid Waste Collection in Cities by using Real Genetic Algorithm) by 95m where previous results showcase 6585m to cover all points which is reduced to 6490m.
- Github

PROJECTS

Online - Judge | Online Coding Platform | 2022-Ongoing (Django-Based website)

- Built an online judge that remote runs code securely and judges if the given code is correct/wrong/inefficient with **User Authentication**.
- Implemented using Python and Django libraries to handle features and provided access to user to keep track of there progress by maintaining leader board and history submission.
- HTML, CSS, Bootstrap is used for Fronted of Online Judge.
- Using python for implementation by exploring **DOCKER** techniques to create secured environment to run the code.
- Ongoing work: Docker, Nginx, Gunicorn
- Future Scope : A single server can handle up to 2000 user contest with Horizontal scaling,
- Github

Online Medical Shop

2021-2022

- Built an Online Medical shop using Lamp Stack that successfully provide all basic functionalities like Displaying products, Cart Management and bill generation with Order history and User Authentication.
- User Authentication using PHP and MYSQL database where User can login , sign up, logout, update the profile details.
- Technologies Used: HTML, CSS, PHP, MYSQL
- Future Scope : Payment Gateway
- Github

Whatsapp chat Analyzer / Summarizer

November,2022

- Built a What's app chat analyzer which gives us the analysis of each user as the number of words spoken, timeline of the chat contributions, emojis used percentage wise user contribution, in terms of pie chart, heat map, bar plots and much more.
- · It also provides the concise summary of group discussions as well as user specific discussions based on users requirements(In how much words user want to summarize)
- Technologies Used: Python, Streamlit Library, NLP, Machine Learning, Deep learning based pretrained models, Numpy, Pandas
- Deployment Link (Streamlit cloud): click here
- Github