

DHRUV KANT LADIA

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EDUCATION

Bachelor of Technology, SRM Institute of Science & Technology, Chennai, IN Major: Computer Science Engineering CGPA: 8.17 (out of 10)	2019-2023
Maharaja Agrasen Vidyalaya CBSE Board, 12th Standard: 65.4%	2019
Garden High School ICSE Board, 10th Standard: 84.6%	2016

SKILLS

Technical & non-Technical: C, C#, C++, Python, SQL, Machine Learning Algorithms, MATLAB, Creative Programming, Statistical & Critical Analysis, Data Structures & Algorithms, Machine Learning Frameworks, Objective Oriented Programming, Project Management
Tools: Google Colab, Jupyter Notebook, MS Office, Flask, NumPy, Sci-Kit, HuggingFace, WANDB
Certifications: Python (HackerRank), SQL(HackerRank), Introduction to Machine Learning by Stanford(Coursera), MATLAB(Coursera)

PROJECT WORK

Suicide Detection Chatbot

- Engineered an AI chatbot post-training LSTM, CNN, Logit, ELECTRA models that achieved a highest 97% accuracy rate in detecting suicidal behavior, resulting in a potential 24/7 resource for mental health support.
- Conducted extensive research on suicidal tendencies and behaviors to inform the development of the chatbot's algorithm, incorporating numerous data points to ensure its effectiveness.
- Learnt the training of the relatively new transformer model, ELECTRA, fine-tuned it, achieved outstanding results and published it under the IEEE Research Journal.

Emotion-Based Movie Recommendation System

- Built and deployed a Python-based Movie recommender system that launches the camera to capture the facial expression of the user to determine their emotion.
- Applied Machine Learning to determine the user's emotion which led to a deeper understanding of the algorithms. Database connection from a Kaggle dataset enabled understanding of SQL.

Mobile Banking Application

- A Software Engineering & Project Management (SEPM) implementation to represent a budget-friendly application according to a client's needs, developed using Flutter and enables money transactions.
- Lead assist behind the 3 key features of the application – Send, Receive, Check Balance.

EXPERIENCE

Co-Founder & Host	Penning Down Success	April 2020 – Feb 2021
<ul style="list-style-type: none">Initiated contact with emerging artists to conduct interviews and showcase their unique stories, resulting in a 40% increase in viewership of the media platform.Implemented a comprehensive marketing strategy to promote artist interviews on various social media platforms, generating a 20% growth in follower engagement within four months.Implemented an outreach strategy targeting lesser-known artists on social media platforms, resulting in partnerships with 15+ up-and-coming talents and doubling the number of featured artists on the podcast.		

LEADERSHIP ACTIVITIES

Quality Assurance Team, Aarush SRMIST	Jun 2019 - Nov 2019
<ul style="list-style-type: none">Responsible for overlooking the materials brought in for food stalls and ensuring sanity and a quality experience for the students and visitors alike. Led a group of volunteers by assigning tasks and responsibilities.	
Volunteer, ZOHO Food Distribution Drive	Jun 2019 - Nov 2019
Volunteer, Zomato Food Donation Drive	Jan 16, 2021

PERSONAL DETAILS

Interests: Instrumental Music, Motorsport, Badminton, Competitive Programming, Photography
Languages: English, Hindi, Bengali