DHRUV SHETTY

3rd Year Undergraduate Student

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EDUCATION

B.M.S Institute of Technology	**2022-2026**
B.E. in Computer Science and Engineering	*CGPA-8.36
Narayana College	**2020-2022**
11th & 12th Grade	Percentage: 86.8%
Ryan International School	**2010-2020**
1st - 10th Grade	Percentage: 83.6%

EXPERIENCE

ConnectM Technology Solutions
Intern (September 2024 - October 2024)

- Collaborated closely with the Machine Learning and Data Science Team on the "PT25 Sensor Data Analysis" project, which focused on ensuring the fidelity of data stored by electric vehicles (EVs) on cloud servers.

Entrepreneurship Cell, BMS Insitute of Technology
Associate (Jan 2024 - Present)

- Organized events and workshops with corporate partners, sponsors, and industry professionals to foster entrepreneurship.
- Facilitated networking opportunities and collaborations between students and industry experts.

Team Motorheads, BMS Institute of Technology
Works Team Member (December 2022 - Present)

- Contributed to building a go-kart that competed in the Indian Karting Race (IKR) at Buddh International Circuit, Noida.
- Assisted in the assembly, design and testing of the go-kart, ensuring optimal performance and safety.

PROJECTS

Data Fidelity Analysis by Aggregation

- Developed a Python-based system to calculate and compare ECU data statistics (mean and median) with cloud-stored values, ensuring data fidelity across time intervals in order to analyze both the consistency of data and the better method of aggregation.
- Concepts Used: Python, Pandas, NumPy

File Compression Tool using Huffman Encoding

- Developed an efficient algorithm for data compression using Huffman Encoding which won 2nd place in the Open Day held at BMS Institute of Technology.
- Concepts Used: Heapify, Min Heap, Huffman Tree, Character Frequency Analysis, File Handling.

MP3 Player Using Java Swings

- Implemented features such as play, pause, stop, and track navigation and support for various audio formats.
- Concepts Used: Java Swings, Event and file handling, Multithreading Audio Processing.

Contact Management System Integrated with Social Media Platforms

- Developed a contact management system that allows users to add, edit, delete, and view contact details, with additional integration for WhatsApp, Facebook, and Instagram.
- Concepts Used: MongoDB, React.js, Axios, Express.js, MongoDB, RESTful API, JavaScript, CSS Flexbox, Modal, Social media API integration

ACHIEVEMENTS

- Completed basic training in Gen AI and Google Cloud through the Google Developer Student Clubs (GDSC) at BMS Institute of Technology.
- An active core member of the Entrepreneurship Cell of BMSIT and integral in organizing various technical events such as SPL 2.0, CODERED.
- Attended the "Paperless Pursuit" CTF event on 7th May 2024 hosted by Accordian | Certificate
- Integral part of the annual fest at BMS Institute of Technology, managed art and decor, contributing to the event's success.

ADDITIONAL COURSES

- **CS50x - Introduction to Computer Science |** (Ongoing)
  Harvard University
- **Prompt Engineering using ChatGPT |** Certificate
  Vanderbilt University

SKILLS & INTERESTS

Programming Languages: C, C++, Java, Python, HTML, VHDL

Technical Skills: Data Structures, Algorithms, DBMS, APIs & Cloud Computing (Google Cloud), Web Development, Prompt Engineering, VHDL