

# ABHAY V NIKKAM

3rd Year Undergraduate Student

Phone: +91 9036853351 | Email: [abhayv0324@gmail.com](mailto:abhayv0324@gmail.com)

[LinkedIn](#) | [GitHub](#)



## EDUCATION

BMS Institute of Technology B.E. in Computer Science and Engineering	2022-2026 *CGPA: 9.53
Sindhi High School Hebbal CBSE Class XII	2020-2022 Percentage: 95.8%
The Regency Public School ICSE Class X	2019-2020 Percentage: 98.6%

## EXPERIENCE

IEEE ITS Chapter, BMS Institute of Technology

Chair (December 2024 - Present)

Treasurer (March 2024 - December 2024)

- Organized events and workshops with industry professionals to bridge knowledge gaps and enhance technical skills of students
- Facilitated networking opportunities and collaborations between students and industry experts.

Model United Nations (MUN) Club, BMS Institute of Technology

Membership Director (May 2024 - Present)

- Led membership drives and recruitment strategies, increasing membership and engagement.
- Organized training sessions and mock debates, improving members' skills in public speaking, diplomacy, and negotiation.

## PROJECTS

File Compression Tool using Huffman Encoding

- Developed an efficient algorithm for data compression using Huffman Encoding
- Concepts Used: Heapify, Min Heap, Huffman Tree, Character Frequency Analysis, File Handling.

MP3 Player Using Java Swings

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

Flight Route Planner

- Developed an efficient algorithm to plan flight routes based on distance and wind intensity and direction
- Concepts Used: Dijkstra's Algorithm, Haversine Formula, Graph Theory, Wind Adjustment in Pathfinding

## ACHIEVEMENTS

- Achieved 2nd place in 2024 PBL (Project Based Learning) Open Day competition in BMSIT for development of the project "File Compression Tool using Huffman Encoding" | [Certificate](#) |
- Attended the "Paperless Pursuit" CTF event on 7th May, 2024 hosted by Accorian | [Certificate](#) |
- Attended the Ethical Hacking workshop hosted by IEEE on 3rd July. | [Certificate](#) |
- Integral part of the annual fest at BMS Institute of Technology, managed art and decor, contributing to the event's success.

## ADDITIONAL COURSES

- CS50W - Introduction to Web Programming | (Ongoing) | Harvard University
- Prompt Engineering using ChatGPT | [Certificate](#) | Vanderbilt University

## TECHNICAL SKILLS

Programming Languages: Python, C/C++, Java, HTML, CSS, JavaScript

Frameworks/Libraries: Django, React.js, TensorFlow, Keras

Technologies/Tools: MATLAB, SOLIDWORKS, MongoDB, SQL, Docker, GIT, Version Control