



# ANUDEEP PANUGANTI

## Mahatma Gandhi Institute of Technology

E-Mail: anudeep5424@gmail.com

Mobile: 8519955866 | [Linked In](#)

### EDUCATION

PROGRAM	STREAM	INSTITUTION	%/CGPA	YEAR
B.Tech	Computer Science Engineering (AI/ML)	Mahatma Gandhi Institute of Technology, Hyderabad	8.8/10	2025
XII	TSBIE	Narayana Junior College, Hyderabad	93%	2021
X	SSC	Narayana Olympiad School, Hyderabad	9.3/10	2019

### SCHOLASTIC ACHIEVEMENTS

- Secured a **state rank of 1183 in NSTSE** i.e., National Level Science Talent Search Examination [2017]
- Earned a **Certificate of Credit in ANCQ** i.e., Australian National Chemistry Quiz [2016]

### PROJECTS

#### *Cardio Vascular Heart disease data analysis & prediction [IBM Data Analytics]*

August 2023

- Conducted predictive analysis using **Random Forest Classifier** on cardiovascular risk factors & achieved an **accuracy of 96.11%**
- Performed **data augmentation** to increase dataset's diversity & Employed **L1 & L2 regularization** techniques to prevent overfitting
- Key skills:** Data visualization, data analysis, machine learning, python programming
- Tools used:** Python libraries (NumPy, Pandas, Matplotlib, Scikit-learn)

#### *Cracking leaked password database [Goldman Sachs - Forage]*

September 2023

- Assessed the strength of the current password policy** by using **Hashcat** to crack the passwords in the provided password dump
- Recommended changes to the current password policy to make it more secure; such as **salting, prohibiting the use of dictionary words or common phrases, increasing the minimum password length to 10 characters** and to keep password specifications

#### *Miscellaneous*

- Built a **Tic-Tac-Toe game** for 2 players using Loops and Switch case concepts in C language
- Designed a **calculator application** with conversions of quantities like length, mass, time, temperature etc.

### SKILLS

- Programming Languages & Web/App Technologies** - C, Python, JAVA, SQL, HTML, CSS, XML
- Interests** - Competitive Programming, Machine Learning & Data Analysis, Web & App development
- Tools and Toolkits** - Git & GitHub, Android Studio, Tableau, scikit-learn
- Operating Systems** - Ubuntu

### COURSEWORK

Data Structures and Algorithms	Object Oriented Programming using Java	Operating Systems
Database Management Systems	Computer Organization and Architecture	Python Programming
Programming for Problem Solving	Mathematical Analysis & Statistics	Discrete Mathematics

### COMPETITIONS

#### *Placed 2<sup>nd</sup> - Conducted by IDEA Incubator club at MGIT | IDEATHON*

January 2023

- Designed **smart shoes** named Litwit with **basic features** such as – Bluetooth connectivity, Step counter, Distance coverage, calorie burn counter & **advanced features** such as – Power regeneration, vibration absorption, Temperature balance system and location sensor using piezo-electric generator

#### *Mobile app for Women Safety | KAVACH Cyber Security Hackathon | Conducted by AICTE*

May 2023

- Ideated a mobile application for Women Safety when user is unable to operate the mobile with crucial features like Fake switch off, Motion Recognition, Bluetooth connectivity, Audio/Video Transmission and GPS tracking using **Android Studio** and **Java/Python**
- Languages and softwares' used:** XML, Java, Kotlin, Python, Android Studio, Flutter, API

### EXTRA CURRICULAR ACTIVITIES

- Organized **blood camps & dental camps** for the students of MGIT [NSS Drive 2023]
- Organized Sherlock Holmes game as a part of the institute's annual technical fest [2023]
- Member of Institute's **Basketball** team and trained professionally in **Kung-Fu, Cricket** and **Swimming**
- Trained in **Vedic Math** and **Abacus** (completed the basic & advanced levels in SIP Abacus)