

Saketh Nandula

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Leet Code: <https://leetcode.com/u/saketh0104>

EDUCATION

Qualification	Institute	University/Board	CGPA	Year
B.Tech	Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada	Jawaharlal Nehru Technological University Kakinada (JNTUK)	9.44	2026
XII	Narayana Junior College, Vijayawada	SSC	96.4%	2022
X	DR. KKR's Gowtham School, Vijayawada	SSC	96.4%	2020

SKILLS

Programming Language	Java, Python, JavaScript, C, C++
Expertise Area	DSA, OOPS, DBMS, Algorithms Design, ML & DL in Python, Basics of React JS
Development Tools	VS Code, IntelliJ, PyCharm, GitHub, AWS Cloud, GoogleColab
Interpersonal skills	Integrity, Team Player, Self-Motivation

PROJECTS

- Detecting Suspicious Military Tents from Satellite Images using Deep Learning**
Guide: S. Vasavi, Head of the Department AI & DS, VR Siddhartha Engineering College. (April 2024 – August 2024)
Developed an enhanced YOLOv8x-obb algorithm model to detect suspicious military tents and refugee encampments, achieving 92% accuracy and 93% precision. The project involved preprocessing and augmenting a satellite dataset of 516 images, with 452 images used for training, 36 for validation, and 36 for testing against ground truth data.

CERTIFICATIONS

NPTEL

- [Programming in Modern C++ \(Offered by IIT Kharagpur\)](#)
- [Foundations of R Software \(Offered by IIT Kanpur\)](#)
- [Design, Innovation and Technology \(Offered by IIT Bombay\)](#)

CISCO NETWORKING ACADEMY

- [NDG Linux Essentials](#)
- [IoT Fundamentals: Connecting Things](#)
- [Introduction to Cyber Security](#)
- [PCAP: Programming Essentials in Python](#)
- [CLA: Programming Essentials in C](#)

INFOSYS SPRINGBOARD

- [Introduction to Artificial Intelligence](#)
- [Artificial Intelligence with Python - Heuristic Search](#)
- [Introduction to Deep Learning](#)
- [Introduction to Natural Language Processing](#)

ORACLE ACADEMY

- [Database Foundations](#)

ACHIEVEMENTS

- Publication in IEEE Xplore for the work “Detecting Suspicious Military Tents from Satellite Images using Deep Learning” September 2024. Presentation Certificate: [Presentation Certificate \(Awarded by IEEE NKCon24\)](#)
- Branch Topper with highest SGPA's in 1-1 and 2-2 semesters.
- Achieved ELITE Certificate NPTEL R Software course.

OTHER INTERESTS AND HOBBIES

- **AI Enthusiast:** Exploring AI tools
- **Tech Trend Explorer:** Staying updated with technology trends
- **Sports:** Branch Cricket Team (2022-2024), School Football Team (2017-2020)