

# Venkata Viswesh Narni

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## EDUCATION

- **Hyderabad Institute of Technology And Management** Hyderabad, India  
*Bachelor of Technology - Computer Science and Engineering in IOT; CGPA: 9.21* *November 2022 - July 2026*  
*Courses: Web Development, Operating Systems, Data Structures, Analysis Of Algorithms, Internet of Things, Networking, Databases, Problem Solving, Computer Vision*

## SKILLS SUMMARY

- **Languages:** Java, Javascript, Python, PHP, C, C++, SQL, Dart , Embedded C, HTML, CSS
- **Frameworks:** SpringBoot, ReactJS, NxtJS, NodeJS, ExpressJS
- **Tools:** GIT, MySQL, MongoDB, Flutter
- **Platforms:** Linux, Windows, Arduino, Raspberry, GCP, Android Studio ,Vercel
- **Soft Skills:** Leadership, Logical Thinking, Event Management, Public Speaking

## INTERESTS AND HOBBIES

- Problem Solving and Algorithms, DSA, Learning Technologies
- Playing Badminton, Cooking, Chess

## PROJECTS

- **QuickPass::** Currently developing a **digital access management system** using **MERN stack** and **Next.js**, featuring **QR-code based authentication**, **real-time validation**, and **role-based access control** to ensure seamless and secure entry/exit processes. (Ongoing – 2025)
- **Telangana Dental Council (TDC)::** Contributing to the development of the **official TDC website** with a modern and responsive frontend in **Next.js** and a scalable backend powered by **Node.js** and **Express.js**. Implementing **secure data handling**, **user management**, and **API integrations** to enhance accessibility and digital services for dental professionals. (Ongoing – 2025)
- **LIFE-BOT::** Innovated and developed 'LIFE-BOT', a wearable device aimed at enhancing women's safety during emergencies. I am very proud that our device can make a meaningful impact in society, leveraging Embedded C with ESP32 microcontroller, NEO-6M GPS, and SIM900A interfacing.(February '23)
- **BITS&BOOKS:** Proudly spearheaded the development of BITSBOOKS, a PHP and MySQL-based digital library prototype for my college.(September '23)
- **PYROVISION:** Developed PYROVISION, an AI-based fire accident detection system using Python, HSV color classification, and OpenCV. Implemented real-time detection capabilities and ensured high reliability and performance through rigorous testing.(July '24)
- **SugarTalk:** Developed SugarTalk, an AI-powered web app that detects toxic messages in real time and rewrites them into respectful alternatives, featuring sentiment analysis, tone mapping, and a gamified respect score system. (April '25)
- **AGtech:** Developed AGtech, an IoT-based smart agriculture project integrating AI and cloud technologies. Features include smart irrigation, AI-based plant disease prediction, drone spraying, and a user-friendly app for farmers developed using Blynk software.(July '24)
- **Brain tumor Classification using Deep Learning:** Developed a deep learning model to classify brain tumors into glioma, meningioma, pituitary tumor, and no tumor using MRI images. Utilized Python with an NVIDIA P100 GPU accelerator for efficient training and testing. Processed and analyzed datasets for accurate tumor detection, improving medical image classification accuracy.(Decemeber '24)

## CERTIFICATIONS

- PCAP:Programming Essentials in Python
- Java Foundations and Fundamentals by Oracle
- MSME-CITD - Internship Programme On Internet Of Things.
- Google Cybersecurity Professional by Google(Coursera)
- React Foundations by Vercel
- Next.js Certificate by Vercel
- ReactJS foundations by Lets Upgrade

## HONORS AND AWARDS

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- NSDC Fellowship Awardee – NxtWave, recognized for excellence in tech skills, hands-on projects, and industry mentorship.
- INSPIRE MANAK Awardee- May, 2018
- Finished in Top 10 at NOVATHON-A 24 hour hackathon conducted by KALWINGS
- Runner's Up at Jignyasa 2018-A National level Science hunt by Agastya International Foundation
- Completed 4950km of daily hitchhiking during my B.Tech 1st year, demonstrating self-reliance and determination.

## EXPERIENCE

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- **Flutter / MERN and Next.js Developer Intern at SaaScraft Studio** Hyderabad, India  
*Worked on developing and maintaining web and mobile applications.* July 2025 – Present
- **Class Representative for SSG (Student Self Governance) at HITAM** Hyderabad, India  
*Bridged students and college administration, enhancing communication and collaboration.* Jan 2023 – Present
- **Member of IUCEE-EWB (Engineers Without Borders)** Hyderabad, India  
*Advanced problem-solving, cross-cultural communication, and leadership skills* Jan 2023 – Present
- **GDSC HITAM Chapter Member** Hyderabad, India  
*Gained technical and teamwork skills, enhancing adaptability and leadership.* March 2023 – Present
- **Math and Physics Tutor – Satkama High School** Hyderabad, India  
*Taught 8th-10th graders, making concepts simple and engaging.* Jan 2023 – March 2023

## CURRENT LEARNING AND CONTRIBUTIONS

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- **Telangana Dental Council Website:** Contributed to the official TDC website using **Next.js** and **Express.js**, focusing on scalable and responsive fullstack development.
- **Pranahuti Meditation App:** Designed and developed a meditation app using **Flutter** and **Firebase**, enhancing user experience and real-time engagement.
- **Java Fullstack Development (ITasCode):** Currently learning and applying Java, Spring Boot, and front-end technologies to build scalable web applications.
- **TechSaksham Internship – Deep Learning and AI (by Microsoft and SAP):** Successfully completed a 6-week internship focused on Deep Learning, Artificial Intelligence, and real-world applications. Developed a project on Brain Tumor Classification using CNN, working with MRI image datasets, training and evaluating models, and presenting outcomes. Strengthened practical skills in Python, OpenCV, and TensorFlow/Keras.
- **RocketTransform Landing Page:** Collaborated with a team to design and develop a responsive landing page for a digital marketing agency, enhancing user experience and engagement.
- **Data Structures and Algorithms – NxtWave and LeetCode:** Solved 200+ DSA problems on NxtWave and 100+ on LeetCode, covering core topics such as arrays, linked lists, recursion, searching and sorting, trees, and dynamic programming. Continually improving problem-solving skills and preparing for technical interviews.
- **Open-Source Contributor – Telugu LLM Project (Swecha Foundation):** Actively contributing to the development of a Telugu Large Language Model (LLM) as part of an open-source initiative involving Swecha Foundation, Viswam.AI, and IIIT Hyderabad. Working on data collection, preprocessing, and fine-tuning of large-scale language models to empower regional language AI development.
- **Data Structures and Algorithms (NxtWave):** Regularly solving DSA problems to improve problem-solving skills and prepare for technical interviews.

## PROFESSIONAL SUMMARY

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I am a passionate Computer Science student with strong foundations in programming, problem-solving, and full-stack web development. Currently interning at SaaScraft Studio as a MERN and Next.js developer, where I build scalable and responsive applications with MongoDB, Express.js, React, Next.js, and Node.js. I have developed projects like the Pranahuti Meditation App using Flutter and Firebase, and contributed to the Telangana Dental Council Website with Next.js and Express.js. As an aspiring AI developer, I completed a TechSaksham internship by Microsoft and SAP, where I built a CNN-based brain tumor classification system using MRI data. I am also contributing to the Telugu LLM Project with Swecha Foundation, Viswam.AI, and IIIT Hyderabad, focusing on data collection, NLP preprocessing, and model fine-tuning. Alongside, I actively practice Data Structures and Algorithms, solving 200+ problems on NxtWave and 100+ on LeetCode to strengthen my coding and analytical abilities. My portfolio also includes impactful projects such as LIFE-BOT, a wearable women's safety device, and BITSandBOOKS, a PHP-MySQL based digital library. My goal is to combine expertise in MERN stack development, AI, and DSA to create innovative, real-world technology solutions.