

Nandyala Varun Reddy

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in VARUN REDDY NANDYALA 🗣 Varun Reddy Nandyala

Career Objective

Driven and ambitious B.Tech student with a passion for excellence and pro active approach to learning. Committed to delivering high quality results with a strong work ethic and unwavering dedication. Seeking opportunities to leverage technical expertise and innovative thinking to contribute to the success of a dynamic organization while continuously enhancing personal and professional growth.

Education

Sri High School, Kodada, Telangana

April 2020

GPA: 10/10

- Excelled in core Science subjects, building a strong academic foundation with top performance across disciplines.

Narayana Junior College, Hyderabad, Telangana

June 2020 – July 2022

Intermediate in MPC (Mathematics, Physics & Chemistry), Score: 955/1000

- Completed a rigorous curriculum in Mathematics, Physics, and Chemistry, while actively preparing for competitive entrance exams.

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, Tamil Nadu

2022 – 2026

B.Tech in Computer Science & Design, CGPA: 9.0

- Pursuing advanced coursework in Computer Science and Design with hands-on project experience, research involvement, and active participation in hackathons and technical clubs.

Technologies

Languages: Python, Java, SQL

Technologies: UI/UX, Front-End, Data Analysis, Designing, Database Management

Database Management: MySQL, MongoDB

Tools: Google Collaboratory, MySQL, MySQL Workbench, VS Code, Figma, Canva

Soft Skills

Collaborative Team Player, Efficient Time Management, Rapid Adaptability & Continuous Learner, Analytical Problem-Solving Skills, Effective Communication & Interpersonal Skills

Publications

Enhancing Accessibility and Communication Through Text to Speech Conversion

Dec 2024

BITCON-24,BIT Sindri

Projects

Text-to-Speech Converter

- Developed a TTS converter using Tacotron2 and Waveglow models to increase the accessibility of the TTS converter.
- Tools Used: Python, Google Collaboratory

Metro Interstate Traffic Volume Analysis

- This project focuses on analyzing hourly traffic volume data from the Interstate 94 highway westbound in Minneapolis–St Paul, Minnesota. The goal is to uncover patterns and insights in traffic flow and examine how weather conditions and time-based factors affect traffic volume.
- Tools Used: Python, Pandas, Matplotlib & Seaborn, Google Collab

DrivenSys: A Safe Drive system using CTNS & IoT

- Developed an IoT-based smart driving system integrating Deep Learning and computer vision for real-time traffic prediction, pothole detection, and vehicle classification. Utilized CTNS, OpenCV, YOLO, and IoT sensors (SpO2, GPS, GSM) to enhance road safety and enable automated emergency alerts for proactive traffic and health monitoring.
- Tools Used: Python, VS Code, IoT, Arduino IDE

Certifications

 Python for Data science [↗](#)

 CCNA: Introduction to Networks [↗](#)

Achievements

Secure CyberSpace [↗](#) : Secured 2nd place in Secure CyberSpace competition, demonstrating advanced security skills.

Vel Ideaforge 2k25 - Student Coordinator [↗](#) : Successfully led the Design team for Vel Ideaforge 2k25, a National level 24-hour Hackathon organized by Dept. of CSD, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology.

Interests

Technology: Web Development, Machine Learning, UI/UX Designing, Database management, Data Analysis, Internet of Things, 3D modelling.

Hobbies: Photography, Trekking, Watching Movies & Series