

Nadella Himavanth


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Nadella Himavanth | Himavanth2384 | Portfolio






Education

Vellore Institute of Technology <i>Bachelor of Technology in Electronics & Communication (CGPA: 8.41 / 10.00)</i> Sri Chaitanya Jr. Kalasala <i>Intermediate – MPC (Percentage: 86.4)</i> Bhashyam High School <i>Secondary Education (GPA: 9.8 / 10.00)</i>	2021 - Present Vellore, Tamil Nadu 2019 - 2021 Hyderabad, Telangana 2011 - 2019 Kurnool, Andhra Pradesh
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Experience

BHEL <i>Project Intern</i>  Certificate <ul style="list-style-type: none">• Comprehensive Study and Analysis: Conducted in-depth research and analysis on PLC and CNC machines, focusing on their functionalities, applications, and operational efficiencies.	Hyderabad, Telangana Aug 2023 - Sep 2023
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Projects

- Smart Parking System using ESP8266** |  [Github](#) | *Arduino Programming, Internet of Things*
 - Developed an innovative parking system with the ESP8266 WiFi module and a web application template using Adafruit IO for real-time monitoring, management, and visualization of parking spaces.
- Travelling Salesman Optimum Distance Calculator** |  [Github](#) | *MatLab*
 - Developed a Travelling Salesman Optimum Distance Calculator to determine the shortest possible route that visits each city once and returns to the origin city, optimizing travel efficiency.
- Accident Detection and Alert System** |  [Github](#) | *AT89C51*
 - Developed an Accident Detection and Alert System using the AT89C51 microcontroller, automating accident notifications via GSM technology to alert registered mobile numbers, hospitals, and police stations.
- Obstacle Avoiding Vehicle** |  [Github](#) | *L298N Driver, Vehicle Chassis*
 - Developed an Arduino-based robot that uses Ultrasonic range finder sensors to avoid collisions.
- Life Metrics** |  [Github](#) | *MAX30100 Pulse Oximeter, Blynk app*
 - Developed an IoT-based health monitoring system using NodeMCU, MAX30100 Pulse Oximeter, OLED display, and Blynk app for continuous health tracking. Future enhancements include additional sensors and cloud-based analytics for comprehensive health assessment


Technical Skills

Programming Languages: Java, C, Embedded C, Verilog
Technologies: HTML, CSS, UI/UX
Course work: Internet of Things, Artificial Intelligence, Micro Processors and Micro controllers, Digital Systems and Design, Embedded Systems, Computer Networks
Tools / Platforms: Figma, NI Multisim, LT Spice, AWR, CST Studio Suite, Cisco Packet, Thinker Cad, Canva, Adobe Photoshop

Certifications | Achievements

- Java (Basic)  [Certificate](#) | SQL (Intermediate)  [Certificate](#) HackerRank
- Technical Certificate Course Examinations in Lower and Higher Grades in Drawing. AP GOVT

Social Engagements

Chair Person: of Zero Waste Management - Student Club, VIT Vellore JAN 2024 - Present
Technical Head: of Creativity Club - Student Club, VIT Vellore |  [Certificate](#) JAN 2023 - DEC 2023
Sports-Engagements: Badminton, Chess, Cricket, Table-Tennis.