

REVANTH MODALAVALASA

Hyderabad, India

revanthm051@gmail.com

—

+91-7337426334

LinkedIn: linkedin.com/in/revanth

—

GitHub: github.com/revanth

EDUCATION

2023 - 2027

Bachelor of Technology in Computer Science and Engineering
Vellore Institute of Technology, Andhra Pradesh, India

TECHNICAL SKILLS

- **Programming Languages:** Java, Python
- **Tools and Technologies:** Git, React, HTML, CSS, JavaScript, Figma, 3D CAD Model Designing, MySQL, MongoDB, Django, Node.js, Express.js, Next.js, AWS
- **Data Visualization:** Power Bi, Advanced Excel, Tableau
- **Areas of Expertise:** Data Structures and Algorithms, Object-Oriented Programming, Web Development, App Development, UI/UX Designing
- **IoT Automation:** Arduino, Raspberry Pi, Hardware integration, Real-time data processing

PROJECTS

- **SafeFit – A Smart Bracelet**
 - Screenless bracelet with health, fitness & safety features: heart rate, SpO₂, temperature, sleep, steps, fall detection, SOS alerts, GSM+GPS auto-calling.
 - Built with **NodeMCU, MAX30102, MPU6050, SIM800L, custom PCB**; companion app in **React Native + Supabase**.
- **Intelligent Safety Helmet (CS-1)**
 - IoT-based helmet for industrial/rescue safety with **sensors, 360° camera, GPS, real-time communication**.
 - Developed using **Raspberry Pi, Arduino, Python** with modular firmware and real-time pipelines.
- **Gmail Replica**
 - Gmail-inspired email management system with inbox handling, email sending, and responsive UI.
 - Built using **React.js, Node.js, Express.js** during AppFusion Hackathon (Winner).
- **School Management System – St. G.D. Convent School**
 - Developed and deployed official site: stgdconventschool.com with **secure backend & admin portal**.
 - Implemented **role-based access**, announcements, gallery, file/video uploads, and full CRUD operations.
 - Tech Stack: **React.js, Node.js, Express.js, MongoDB, Tailwind CSS, Git, Vercel**.

EXPERIENCE

Intern – Purple Techno Solutions

Jun 2025 – Jul 2025

Worked on Full Stack Development and AI/ML-based solutions. and practical deployment of applications.

R&D Intern – TechtoGreen

Aug 2024 – Present

Research and Development intern at TechtoGreen, a VIT-AP university-backed startup.

ACHIEVEMENTS

- **Open Source Contribution** at **GirlScript Summer of Code 2025, GsSOC**.
- **Runner Up** at **IEEE Hacksagon 2025, IIITM Gwalior**, developed a Smart bracelet and stood as a Top Performer.
- **Winner** of **HackAP Hackathon 2024**.
- **Global Nominee** in **NASA Space Apps Challenge 2024**, contributed to real-world space problem-solving.
- **Winner** at **AppFusion Hackathon**, developed a Gmail replica.

LANGUAGES

- English (Fluent)
- Hindi (Fluent)
- Telugu (Fluent)
- French (Basic)