

Vishnu Vardhan Reddy

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SUMMARY

Electronics and Communication Engineering student with practical experience in embedded systems, digital design, and Android application development. Skilled in hardware-software integration, automation, and problem-solving. Seeking internship opportunities to apply technical knowledge in real-world projects.

EDUCATION

Degree	Specialization	Institute	Year	Score
B.Tech	ECE	CMR Technical Campus	2023–Present	–
Intermediate	MPC	Narayana Jr College, Hyderabad	2022	95%
SSC	SSC	Vijetha High School, Narayankhed	2020	100%

WORK EXPERIENCE

- **Freelance – Android Developer, CGI & UI/UX Designer** 2023 – Present
 - Built Android applications using **Android Studio** and **Java**
 - Crafted clean, user-centric interfaces following **UI/UX design principles**
 - Designed high-quality CGI and 3D visual assets using **Blender**
 - Collaborated with clients to convert requirements into functional technical solutions
 - Coordinated client communication, timelines, and independent project execution

PROJECTS

- **Industrial Motor Fault Classification – Verilog & GTKWave** 2026
 - Modeled industrial motor behavior using **Verilog HDL**
 - Classified healthy, bearing, rotor, and aging fault conditions
 - Analyzed simulation waveforms using **GTKWave**
 - Applied digital design and signal-level analysis concepts
- **IoT & Embedded Systems Projects** 2024 – 2026
 - Engineered sensor-based automation systems using **Arduino**
 - Implemented real-time monitoring and control logic
 - Integrated hardware components with embedded software modules
- **Android Application Development** 2024 – 2026
 - Developed applications including **Krushak, Todo, Weather, and BMI Calculator**
 - Integrated data handling and UI logic
 - Enhanced application performance, usability, and modular design

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, TCL, Embedded C
- **Digital & Embedded Systems:** Digital Electronics, Digital Logic Design, Verilog HDL, VHDL (Basics), Testbench Design, RTL Simulation, GTKWave, Embedded Systems, IoT & Microcontrollers (Arduino)
- **Software Tools & Platforms:** Arduino IDE, Git, GitHub, VS Code, LaTeX, Jupyter Notebook.
- **Soft Skills:** Problem-solving, Analytical Thinking, Teamwork, Communication, Time Management, Independent Learning

CERTIFICATIONS

- Salesforce Developer / Administrator Certification
- AICTE / EduSkills Android Dev Virtual Internship
- Infosys Springboard – IoT and Electronics Certification
- Cisco Certifications – Networking, Programming Essentials, Cybersecurity

EXTRA-CURRICULAR ACHIEVEMENTS / ACTIVITIES

- Freelanced as a **CGI/3D Designer**, delivering solutions based on real-world client requirements
- Produced and showcased **3D and CGI visual content** using **Blender** and **Unreal Engine**
- Competed in hackathons focused on **Embedded Systems, FPGA, and IoT**
- Led technical club activities as a **Technical Lead**, guiding teams and coordinating project execution