

Iragavarapu Hemanth

Undergraduate
BVC COLLEGE OF ENGINEERING

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EDUCATION

Degree	Specialization	Institute	Year	CPI
B.Tech	Electronics & communication & Engineering	Bvc College Of Engineering	2021-2025	8.45
HSC BIEAP	Physics, Chemist Mathematics	Vikas Junior college	2021	774
SSC	Board of Secondary Education Andhra Pradesh (BSEAP)	Ravindra Bharathi school	2019	9.3

WORK EXPERIENCE

- **QA SOFTWARE TESTER** [OnePlus Software R&D Centre Pvt Ltd] 05/2025-Present
 - **QA Testing for Android & Beta Teams** – Conducted **manual and automated testing** for **OxygenOS beta versions**, ensuring software stability, UI/UX compatibility, and **network performance** across multiple devices.
 - **Camera Testing & Optimization** – Performed **image quality testing** and analyzed **camera performance** for different lighting conditions, ensuring **software enhancements** met user expectations.
 - **Bug Reporting & Debugging** – Identified, documented, and reported **critical bugs**, collaborated with developers to **debug issues**, and ensured **smooth system updates** before public release
 - **API & Performance Testing** – Used **Postman** for API validation, conducted **functional, regression, and system testing**, and optimized **device performance benchmarks** for better user experience
- **Oppo Research and Development Center | Hyderabad Internship | 09/2024 - 05/2025**
 - Maintained accurate records of all activities performed throughout internship period.
 - Set specific goals for projects to measure progress and evaluate end results.
 - implemented strategies to take advantage of new opportunities.
 - Maintained positive working relationship with fellow staff and management.

PROJECTS

- **LIFI Technology** Mar-Apr- 2025
 - Worked on a wireless communication project using **Li-Fi (Light Fidelity)**, which uses LED lights to transmit data at very high speeds (up to 1 Tbps). Built a basic model showing data transfer between a **transmitter and receiver** without using radio waves. The project focused on using **light energy for fast and secure communication** in small areas.
- **Smart Agriculture Robot** Feb-Apr 2024
 - Developed an **IoT-based robot** for smart farming that can monitor soil and help with automatic watering. The robot used sensors and microcontrollers to collect real-time data. Presented the project at a **college fair** and got selected by a team from **Nova-Tech Engineering**. This helped promote **automation and innovation in agriculture**
- **Anti Radiation. Chip** july-Dec 2023
 - Worked on a chip designed to **reduce the effects of mobile radiation on human health**, especially in healthcare devices. The chip is built to **protect sensitive electronics** from harmful signals and improve safety in medical environments. The idea was based on current **market needs** and **radiation protection** technology.

POSITIONS OF RESPONSIBILITY

- **ATAL Thinker Lab mentor** Sept-Oct 2024
 - Organized ATAL Lab Activities under Govt High School (In Association with UNICEF & NITI Aayog) Successfully organized intra-school tech events as part of the ATAL Tinkering Lab initiative, supported by UNICEF and NITI Aayog. The event saw participation from over 800 students and staff members. Guided students in presenting innovative projects, out of which several were selected for state-level competitions, achieving 3rd place overall.

- **Team Leader – Vizag A-Hub Innovation Program & Hackathon**

June-July 2024

Led a team of four in managing and coordinating the scheduling of tech projects among 60+ registered teams. Took charge of logistics, crowd management, and smooth execution of the event. Worked under the all part of the A-Hub Innovation Program in Vizag, contributing to a hackathon focused on real-time solution building. Ensured effective team communication and problem-solving to support all participants **throughout the event**.

CERTIFICATIONS

- I had certificated on **HACKER RANK** on **python basic, java ,c basic, java fundamental ,SQL**.
- I completed certification in **AWS CLOUD** on cloud practitioner , **AWS well architected, billing and cost management**
- I had certificated on the **NPTL** based on the **EMBEDDED SYSTEM**
- Got A+ in community service project **on Usage of mobile phones on humans**.
- I had certificate in **APSCHE** of Internship on **VLSI domain** .
- I had certification in **ORACLE Academy**: Award of final exam completion(**Java foundations, Java programming, Java fundamentals Database foundations, oracle academy java for AP computer science**)
- Oracle certified foundations associate(**certificate of recognition**)

EXTRA-CURRICULAR ACHIEVEMENTS/ACTIVITIES

- Secured **1st prize on PPT Presentation and JNTUK** work shop of **50+ teams** as a part of gesture control robot in 2022
- Secured a **position Nanaya University in 2022** out of **50+ members of coordinators** from the institute and we secured 1st prize (Techvera ,dronachraya, poster presentation)
- Pantech solutions secured 3rd prize in the presentation of the (**To develop a robot that can be controlled using hand gestures on (Gesture Control Robot)**)
- **Conducted a project innovation** event with the **Bvc college of Engineering** .
- Secured 1st prize in **RADIATION power of (ppt presentation)** in sri Vasavi college of engineering
- **We conducted a civil engineering project based on the collaboration of ELECTRONICS in that we had 1st prize**
- **Hackthon**: I participated in 31 hours of overnight on IoT held at BVC Engineering college
- I had secured certification on **Microsoft Hyderabad** as **tech innovator** .
- **Trouble Shoot Trek**: I participated in Trouble shoot trek on Anti -Radiation chip in Sri Vasavi Engineering college, **JNTUGV and BVC College of Engineering**.

TECHNICAL SKILLS

- **Languages**: Having Knowledge on Web technologies like HTML,CSS & Java script Python, C, C++, Verilog (Beginner)and VHDL, VLSI, java, .NET , SQL
- **Tools**: vs code, GITHUB, Django ,MySQL workbench ,cadence virtuoso, docker ,Arduino ide, : MATLAB, Xilinx, Tannersoft , .angular .
- **Moocs**: Cloud Platforms, Emulation/FPGA Tools, API Development and Testing, Networking Tools
- **Languages in general** : Telugu , Hindi ,English
- Mobile Operating Systems Android: T,U and V
- Bug tracking tools : ALM , HeyTap ,Possiden
- Performance &Analysing Tools : Flashing tools, OTEST,GTEST
- Packages: MS Office (MS Word, PowerPoint)