BHASHAVENI AJAY

bhashaveniajayyadav@gmail.com | +91-7989712097 |**In:** Ajay Bhashaveni |**GitHub:** Ajaybhashavenihttps://github.com/racharlajahnavi

---

INTERESTS & OBJECTIVES

Seeking an internship or entry-level role in software development, AIML/ Deep Learning, embedded systems, and electronics where I can apply my degree background in ECE to build innovative, real-world solutions.

EDUCATION

✞ **SR University** – B.Tech in Electronics and Communication Engineering
Aug2023 – May 2027 | **GPA: 9.93/10.0**

- **Topper of 1-1,1-2,2-1,2-2 Semesters**
- **Relevant Coursework:** Smart System Design, Digital Electronics, Analog Circuit Analysis, Signals and Systems, Linear Integrated Circuits, Embedded Systems, Analog & Digital Communication, Electromagnetic Waves & Transmission Lines, Problem Solving with Python.
- **Relevant Coursework:** Python, Computational Thinking, Mathematics I & II, Statistics I & II, Data Structures, Machine Learning and deep learning Foundations .

INTERNSHIPS NIT Warangal – Deep Learning Internship

- Researching Anomaly Detection in Deep Learning with applications in electronics and signal processing.
- This internship project successfully developed and evaluated a novel Quantum Vision Transformer architecture for video anomaly detection..
- Utilizing TensorFlow and PyTorch to develop robust predictive models.

INTERNSHIP CODESOFT

. Internship on python language

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, MATLAB
- **Tools:** LTSpice, Tinkercad, Hspice, Origin Labs
- **Deep Learning & AI: TensorFlow, PyTorch, Pennylane, Anomaly Detection Models**
- **Domain Knowledge:** Electronics, Embedded Systems, Data Science, Deep Learning

---

PROJECTS Smart Helmet for alcohol detection and speed automation(C, Database Management)

- Designed a user-friendly system to help users navigate their speed and location to their family members, and if the user is not able to control the vehicle, it takes control over the system.

House price prediction model using Area (Machine learning)

- Developed a prototype for predicting the price of the Area through a Machine learning model.

  Utilized House price prediction using machine learning involves training models on historical housing data (like size, location, and amenities) to estimate property values. Techniques like Linear Regression, Decision Trees, or Neural Networks are commonly used for accurate price forecasting.

ACHIEVEMENTS & WORKSHOPS

- Vice president of the college IoT club.
- Developed IoT water irrigation system.
- Working on a STARTUP.
- Designed and analyzed sensor data using cloud analytics dashboards.
- Ensured a real-time GPS navigation system through WiFi module in the helmet project.

CERTIFICATIONS

- Internship certificate from NIT-W on Deep learning(2 months).
- "Basics of "Remote Sensing, Geographical Information System and Global Navigation Satellite System" by ISRO
- Exploring Communications Technology. (Coursera)
- Hacker Rank certificate for Python.
- Introduction to Semiconductor Devices. (Coursera)
- VLSI CAD Part II: Layout. (Coursera)
- Advanced Learning Algorithms. (Coursera)
- Career Essentials in Generative AI by Microsoft and LinkedIn Career Essentials in Generative AI
- Linear Circuits 2: AC Analysis. (Coursera)
- AWS Cloud Technical Essentials. (Coursera)
- Introduction to Software Engineering. (Coursera)
- Divide and Conquer, Sorting and Searching, and Randomized Algorithms. (Coursera)
- Foundations of Project Management. (Coursera)
- Sensors and Sensor Circuit Design. (Coursera)
- Public Relations