

UMESH CHANDRA PUNATI

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[Linkedin](#)

Summary

B.Tech student in IoT with a specialization in AI & ML at KL University. Passionate about IoT systems, machine learning, full-stack development, and front-end technologies. Proficient in C, Python, basic Java, and front-end development using React.js and JavaScript. Seeking an internship or full-time opportunity to apply skills in innovative, real-world projects.

Education

- B. Tech in IoT, KL University, Vijayawada, Andhra Pradesh (CGPA: 8.7, 04/2026)
- 12th Grade, Harvest Public School, Khammam (CGPA:7.5, 05/2022)
- 10th Grade, Harvest Public School, Khammam (CGPA: 8.7, 04/2020)

Skills

- **Programming:** C, Python, Java
- **Development Boards:** Arduino, Raspberry Pi, ESP32
- **Web Development:** React.js, Node.js
- **Database:** MySQL
- **AI & ML:** Machine Learning, Deep Learning, Data Analysis
- **Soft Skills:** Communication, Time Management, Problem-Solving, Soft skills
- **Extra Skills:** Freelance Graphic Designer

Projects

- **Stock Table Management** - Developed a system for managing stock addition, updates, and inventory tracking using C and data structures, ensuring efficient inventory management.
- **Fire Extinguisher Bot using Arduino Uno** - Designed a fire-detecting bot equipped with IR sensors and motors to identify and respond to fire hazards in real-time, enhancing safety measures.
- **People Count Using IoT** - Developed an IoT-based system using IR sensors and MQTT/HTTP protocols for real-time people counting and monitoring, enhancing operational efficiency.
- **Tourism Advisor using AWS** - Developed a **Tourism Advisor** using AWS, leveraging cloud-based services for personalized travel recommendations and itinerary planning. Integrated AI/ML models to analyze user preferences and suggest destinations, accommodations, and activities. Implemented a responsive front-end for seamless user interaction and real-time updates.

Certificates and Achievements

- **AWS Certified Cloud Practitioner**
Gained foundational knowledge of cloud computing, AWS services, and cost management, along with basic security and compliance practices.
- **IBM Python Course Certificate**
Developed skills in Python programming, data analysis with libraries like NumPy and Pandas, and implementing algorithms effectively.
- **IIOT Programming & Automation**
Learned Industrial IoT protocols, PLC programming, and real-time data processing for advanced automation tasks.
- **TARAS Systems - AI & ML Using Python Industrial Automation (Level-2)**
Acquired expertise in applying AI/ML techniques for industrial automation, predictive maintenance, and Python-based automation workflows.

