

V.YASHWANTH KUMAR

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ABOUT ME

Aspiring Computer Science and Engineering student with a strong passion for technology and innovation, driven by hands-on experience in AI/ML applications, web development, and IoT systems. Through academic projects and hackathons, I have cultivated a problem-solving mindset, strong foundation in Data Structures & Algorithms, and collaborative approach to building impactful solutions. Eager to contribute as a Web Developer or AI-ML-IoT Engineer where I can apply my technical skills, creativity, and dedication to meaningful projects, while continuously learning and growing within a dynamic team environment.

EDUCATION

Anurag University - BTech CSE	2023-Present	CGPA : 8.68
FIITJEE Jr College - Intermediate	2021-2023	92.5%
St.Pious X School, ICSE	2020-2021	93.5%

SKILLS

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| <ul style="list-style-type: none">• Java• Python• HTML CSS Bootstrap• Javascript• React Js• Firebase | <ul style="list-style-type: none">• MongoDB• Node Js• DSA• Machine Learning• SpringBoot• Communication | <ul style="list-style-type: none">• Prompt Engineering• IoT• Embedded System• Rasberry Pi• 250+ Problems in Leetcode (Highest Rating - 1640) |
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CERTIFICATIONS

Smart Coder - Smart Interviews
100 Days of Code Python Pro Bootcamp- Udemy
ReactJs - Infosys
MongoDB Developers TookKit - GeeksForGeeks
MongoDB for SQL Experts - MongoDB
CCNA Introduction to Networks - Cisco
Introduction to OS (Top 5%) - NPTEL
Java Fundamentals - Infosys
Applied AI - Build AI Agents - IBM

LEADERSHIP

PRESIDENT- IoT Technical Club , ANURAG UNIVERSITY

Organized multiple technical events and led outreach programs to promote hands-on learning and awareness in IoT technologies across the campus.

INTERNSHIPS

Virtual Internship in Networking – Cisco	(June-August 2025)
Virtual Internship (AICTE) – ServiceNow	(October 2025)
AIML Virtual Internship (AICTE) – Google	(July – September 2025)
GenAI Virtual Internship (AICTE) - Google	(April-June 2025)

PROJECTS

Blue Future – Smart Water Management System :-

Engineered an IoT and AI-driven water management system using ESP32 microcontrollers with LoRa modules for campus-wide communication, ultrasonic sensors for precise tank level measurement, and React.js dashboard with Chart.js visualization integrated with Gemini AI API for real-time water quality analytics and predictive overflow prevention.

AI-Driven Academic Execution Planning Platform:-

Architected an intelligent academic planning platform with React.js frontend and FastAPI backend microservices, leveraging Groq API with LLaMA 3 LLM for constraint-based academic planning, Firestore NoSQL database for student data persistence, and Google Colab notebooks for academic constraint modeling and feasibility analysis with milestone tracking.

FarmTools – Agricultural Equipment Marketplace:-

Developed a full-stack MERN e-commerce platform featuring JWT authentication with role-based access control, Redux for centralized state management, Socket.io for real-time chat between farmers and suppliers, and MongoDB geospatial queries for location-based equipment search with booking and payment integration.

AI-Enabled Smart Plant Care System:-

Designed an IoT edge computing system using ESP32-CAM modules with TensorFlow MobileNetV2 model for computer vision-based plant disease classification, integrated Firebase Firestore, for image storage, implemented automated Pesticide Sprinkling, and built React Native mobile app for remote monitoring with push notifications.

HandCricket Game:-

Created a responsive IPL-themed cricket simulation game using HTML5 Canvas API for game rendering, JavaScript ES6 for game logic and DOM manipulation, Firebase Realtime Database for multiplayer score tracking, and CSS3 animations with Bootstrap for mobile-responsive design and interactive gameplay mechanics.

PARTICIPATION AND ACHIEVEMENTS

- Secured 4th Position in CodeFiesta 5.0 Hackathon (SKSVMA College) - Web Development domain
- Participated in 4 hackathons across Web Development, IoT, and AI/ML domains
- Participated in TEJAS2025 Expo, Anurag University – Represented CSE Dept
- Developing an AI-IoT powered Automated Water Management System with ₹2 Lakhs Hive funding
- LeetCode Highest Rating - 1640
- 5 Star Rating - Python - Hackerrank