

# R NISHANTH

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## SUMMARY

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Passionate and results-driven professional in software engineering, machine learning, and data science with a strong foundation in AI, cloud computing, and DevOps. Experienced in developing scalable data pipelines, deploying machine learning models, and optimizing AI solutions for real-world applications.

## EDUCATION

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**Bachelor of Technology (B.Tech), Computer Science & Engineering** 2025  
KG Reddy College Of Engineering And Technology (3.04/4)

## SKILLS

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<b>Programming Languages</b>	Python, C, C++
<b>Web Technologies</b>	HTML, CSS, Flask
<b>Databases</b>	MySQL, Sqlite3
<b>Cloud Platforms</b>	AWS, Azure (in view), Google Cloud (in view)
<b>Data Visualization Tools</b>	Matplotlib, Seaborn, Power BI
<b>AI Frameworks</b>	Keras, TensorFlow, PyTorch, Scikit-learn
<b>DevOps Tools</b>	CI/CD Pipelines, Docker (in view)
<b>Other Skills</b>	Web-scraping, Data Analytics, Machine Learning, Scalable Data Pipelines

## PROFESSIONAL EXPERIENCE

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**ML Engineer, Vayuk (Early-Stage Startup)** Nov 2023 – Present  
Hyderabad, India

- Spearheaded the development of a cost-effective NDVI assessment tool for agricultural landscapes, reducing monitoring costs by 80%.
- Designed a scalable pipeline for image processing and analysis, enabling real-time plant health evaluations for farmers.
- Integrated AI models with CI/CD pipelines to streamline the deployment process.

**AI Intern, Refonte AI (Project-Based)** Dec 2023 – Present  
Remote (Asia Pacific)

- Developed scalable data pipelines and deployed machine learning models using AWS cloud infrastructure.
- Collaborated with cross-functional teams to build recommender systems and sentiment analysis tools.
- Researched and implemented generative AI techniques for chatbot development and image classification projects.

## CERTIFICATIONS

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**Data Structures in C++** June 2023 – Oct 2023  
Udemy, Online

**C++ Programming for Beginners** Completed

<https://www.udemy.com/certificate/UC-bdde70b8-541b-4fe5-bf8f-685246c9ff66/>

**AWS Cloud Practitioner (in view)**

**Docker Fundamentals (in view)**

## PROJECTS

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### **Pest Detection in Crops**

Nov 2023

- Analyzed 19,404 rice pest entries, identifying patterns through visualizations and reducing the dataset to 9,126 entries.
- Preprocessed data for machine learning models (Logistic Regression, SVM, AdaBoost, Random Forest) to achieve high accuracy.

Github Link: [https://github.com/Nishanth-nishu/pest\\_detection\\_in\\_crop.git](https://github.com/Nishanth-nishu/pest_detection_in_crop.git)

### **AI-Driven Glycemic Risk Prediction and Health Management System**

Sep 2023

- Developed a Gradient Boosting Classifier for diabetes risk prediction, achieving 88% accuracy.
- Integrated Gemini AI to deliver personalized health recommendations, including dietary and exercise guidelines.

Github Link: <https://github.com/Nishanth-nishu/diabetic-prevention->

### **Cloud-Based Chatbot Development for E-Commerce**

Dec 2023

- Built an AI-powered chatbot for customer support using Google Cloud Dialogflow.
- Optimized deployment pipelines with CI/CD for seamless cloud integration.

## **LEADERSHIP AND EXTRACURRICULAR ACTIVITIES**

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### **Head of AIML-Club (Treasury)**

2023 – Present

- Managed \$2,000 in funds, promoted events, and organized 5+ workshops on artificial intelligence, attracting 100+ participants.
- Fostered continuous learning by mentoring peers in AI and machine learning.

### **Volunteer, Open-Source AI Projects**

2022 – Present

- Contributed to open-source projects focused on generative AI and image classification technologies.