

# Vinay kumar Korakoppula

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Portfolio : <https://vinay-1103.github.io/Portfolio/>

## Career Objective :

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- Aspiring Computer Science and Engineering professional with a focus on Artificial Intelligence and Machine Learning, eager to apply technical skills and innovative thinking in a dynamic environment.
- Dedicated to continuous learning and professional growth, aiming to contribute to impactful projects and collaborate with forward-thinking teams to drive technological advancements.

## Academic Credentials :

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**Bachelor of Engineering : JNTU ( pursuing )** **2022-2026**

Artificial Intelligence & Machine Learning

Cgpa:8.9

*Kommuri Prathap Reddy Institute of Technology (KPRIT), Ghatkesar*

**Intermediate : TSBIE**

**2020-2022**

MPC

marks: 937

*Akshara junior college,BN reddy nagar*

**Secondary School Education : SSC**

**2020**

*Gayathri High School,Valigonda*

GPA : 10

## Projects :

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### Market Basket Analysis for Targeted Promotions and Personalized Recommendations

*python / jupyter notebook /python libraries*

- Conducted data analysis and developed machine learning models to identify patterns in customer purchases.
- Implemented a recommendation system to suggest products based on customer behavior.
- Presented findings and recommendations to stakeholders.

GitHub link: <https://github.com/Vinay-1103/MicroProject.git>

### Dynamic Color Correction

*Python, TensorFlow, OpenCV*

- Built an adaptive color correction system using Dark Channel Prior (DCP) to enhance low-light and hazy images.

- Improved image clarity and color fidelity through illumination mapping, gamma correction, and noise reduction.
- Achieved better PSNR and SSIM scores for real-time image enhancement in display and printing applications.

GitHub link: <https://github.com/Vinay-1103/Dynamic-Color-Correction.git>

## Jarvis AI Assistant

- Description: A virtual assistant inspired by Iron Man's J.A.R.V.I.S., designed to perform tasks like voice commands, web searches, and automation.
- Technologies Used: Python, Speech Recognition, API, Text-to-Speech (TTS), Web Scraping
- Features:
  - Voice command execution
  - OpenAI-powered responses
  - Automated web searches & task execution
  - Personalized assistant features

GitHub Link: <https://github.com/Vinay-1103/JARVIS.git>

## Technical Proficiencies :

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**Languages :** C program , Intermediate in Python , Intermediate in Java

Beginner in DSA , Beginner in Machine Learning , Intermediate in HTML&CSS, AI

**Developer Tools:** IntelliJ IDEA, Falcon , Visual Studio ,Sql

**Database:** MySql

**Interpersonal Skills :** Good Communication skills , Team leading &management

## Certifications :

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**Project Completion Certificate**

**KPRIT | 2024**

Market Basket Analysis for Targeted Promotions and Personalized Recommendations

*Sak informatics*

**Certificate of Participation**

**LetsUpgrade | 2024**

LetsUpgrade Student Ambassador Program

*LetsUpgrade*