Yallakkagari Vinay Kumar

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# Skills

* **Languages**: C, C++, Java, JavaScript, Python and R
* **Frameworks**: HTML and CSS
* **Tools/Platforms**: MySQL, Excel, Tableau and RStudio
* **Soft Skills**: Problem Solving Skills, Team Player, Project Management, Adaptability

# Summer Training

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**Programming Pathshala** June-July 2023

### A Training on Programming in Python

### Acquired a solid understanding of Core Python concepts, including data types, loops, arrays and Object-oriented programming.

### Developed practical skills by working on Python projects, implementing algorithms, and solving coding challenges.

### Demonstrated problem solving skills by troubleshooting and debugging Python programs.

### Worked on real-world projects and successfully collaborated with peers during the group exercises, pair programming and code reviews.

# Projects

#### AI-Based Hand Gesture Recognition System: February 2023

**Aim:** Developed an AI-based system to detect and interpret hand gestures in real-time.

**Tasks Done:** Implemented using Python, OpenCV, Media Pipe for hand movement detection and landmark identification, and Teachable Machine for gesture recognition.

**Keys Learnings:** Gained advanced knowledge in computer vision, real-time tracking, and machine learning integration for gesture interpretation.

#### Image-Editor: April 2024

**Aim:** Designed an Image-Editor interface, which allows users to manipulate the Images.

**Tasks Done:** Demonstrated using Java and Java Swing for Editing the Photos by using techniques such as cropping, resizing, adjusting color, enhancing quality and adding effects.

**Key Learnings:** Acquired perception of Java and Java Swing in GUI implementation and how to enhance them in a user friendly.

* **Prime Video Dashboard:** May 2024

**Aim:** Explored Prime Video titles through a Tableau dashboard for data-driven insights and trends.

**Tasks Done:** Analyzed trends, top-rated content, and viewer preferences. Delved into viewing habits and demographics.

**Key Learnings:** Discovered insights on successful content dynamics and uncovered hidden gems in the data journey.

* **GitHub Repo-Explorer:** Oct0ber 2024

**Aim:** Created a mobile app using GitHub’s data to search for repositories and view their details, like project info and contributors.

**Tasks Done:** Made two screens, one where you can search and see a list of repositories, and another that shows detailed information about a selected repository and its contributors.

**Key Learnings:** Used advanced techniques like c0-routines for handling tasks, Room for storing data offline, and followed a structured approach (MVVM) using Jetpack components. Also, added pagination for smoother data loading.

# Certificates

## R Programming | Johns Hopkins University April 2024

* Begin with Python | Programming Pathshala July 2023
* Introduction to Hardware and Operating Systems | Coursera March 2023

# Achievements

#### Gained 5 star in Java Hackerrank: January 2024

Achieved 5 star in Java by solving various programming questions in Hackerrank.

January 2024

* **Qualified for the SIH2023 – 2ND Round:**  Among 150 batches from both hardware and software, we are qualified for external SIH2023.

# Education

**Lovely Professional University** Punjab, India

### Bachelor of Technology - Computer Science and Engineering; **CGPA: NA** Since August 2021

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**Sri Chaitanya JR College** Tirupati, Andhra Pradesh

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### Intermediate; **Percentage: 93.7%** April 2018 - March 2020

**Masthan Vignan EM School** Obuladevaracheruvu, Ananthapur

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### Matriculation; **Percentage: 96%** April 2016 - March 2018