





# Manoj Pentapati


## Software Engineer


 [srimanoj.pentapati@gmail.com](mailto:srimanoj.pentapati@gmail.com)


 +91-9550250484


 Kapileswarapuram, India


 Portfolio

 linkedin

 github

 leetcode

 Coding ninjas

 gfg

### CAREER OBJECTIVE

Computer Science undergraduate seeking opportunities in **Web Development, Data Science, and Software Engineering**, with strong skills in **programming, problem-solving, and data analysis**. Aiming to apply **Python, SQL, and software development fundamentals** to build scalable applications, analyze data, and deliver impactful technical solutions.

### EDUCATION

**Bachelor of Technology, Data Science**  
**Vignan Institute of Science and Technology, Vadlamudi**  
(8.01)

08/2022 – 06/2026  
Guntur, India


### TECHNICAL SKILLS

<b>Programming Languages:</b> C++ (DSA), Java (OOP),Python(Basics)	<b>Databases</b> MongoDB, MySQL
<b>Tools &amp; Technologies</b> Git, GitHub, Docker, Visual Studio Code	<b>Web Technologies:</b> HTML, CSS, JavaScript(Basics)

### ACHIEVEMENTS


- Solved 550+ coding problems on GFG, LeetCode, and CodeNinjas, improving DSA proficiency and analytical skills.
- Strengthened problem-solving efficiency through continuous algorithmic practice.

### PROJECTS

**Object Tracking GUI** 

**Technologies:** Python, YOLOv5, SORT, OpenCV, Tkinter


- Built a multi-object tracking system using YOLOv5 and SORT to assign unique IDs across video frames.
- Implemented real-time video processing and tracking with an interactive Tkinter-based GUI.
- Applied model inference optimization and visualization for accurate object tracking results.

**Pizza Sales Analysis Using My SQL** 

**Technologies:** SQL (MySQL),CSV Data Processing

- Analyzed 21,350 orders and 48,620 order-detail records using MySQL to identify sales performance and revenue trends.
- Built a relational database model from multiple CSV files (orders, order\_details, pizza\_types, pizzas)
- Executed SQL joins, aggregations, subqueries, and date-time functions for accurate data analysis and reporting.

### CERTIFICATIONS

SQL and Relational Databases 101 — IBM (Cognitive Class) 

Programming in Python — YHills (Learning Internship Certificate, 2024) 