

Manoj Pentapati

Software Engineer

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 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

Programming Languages:
C++ (DSA), Java (OOP), Python(Basics)

Databases
MongoDB, MySQL

Tools & Technologies
Git, GitHub, Docker, Visual Studio Code

Web Technologies:
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) 