RAGHAVENDRA Y

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OBJECTIVE

Motivated Computer Science student with proficiency in Java, Python, C++, and SQL, and experience in software development, machine learning (ML), and problem-solving. Skilled in using Git, Google Colab, and Jenkins for version control and project management. Strong in algorithm design, data structures, and building efficient solutions to complex challenges.

EDUCATION

Bachelor of Computer Science, Annamacharya Insitute of Technology — Expected 2025
CGPA : 9.4/10

Class XII, Sri Venkateswara College — 2019 - 2021
Marks : 973/1000

SKILLS

Programming skills	Java, Python, C, C++
Development Tools	Google Colab, Android Studio, Eclipse
Problem Solving	Backtracking, Dynamic Programming
Software Design and Development	OOP, Data Structures and Algorithms
Version Control	Git

PROJECTS

Image Detection System. Designed and developed an advanced object classification and recognition system using Convolutional Neural Networks (CNN). Implemented deep learning algorithms to extract high-level image features, improving detection accuracy and performance. Engineered a scalable solution for security monitoring, automated inspections, and intelligent systems, demonstrating strong proficiency in machine learning and computer vision.

Sudoku Solver. Built an efficient Sudoku solver leveraging backtracking algorithms in Java, with a feature-rich JavaFX-based GUI for user interaction. Implemented dynamic functionalities such as random puzzle generation to ensure continuous user engagement. Demonstrated expertise in algorithm design, problem-solving, and interactive UI development.

Movie Recommendation System. Developed a collaborative filtering-based recommendation engine using pandas, NumPy, and scikit-learn to analyze user preferences and provide personalized suggestions. Enhanced prediction accuracy by integrating cosine similarity and Singular Value Decomposition (SVD) techniques. Showcased skills in data analysis, machine learning, and building user-centric solutions with a focus on scalability and performance optimization.

ACHIEVEMENTS

- Secured second place in a paper presentation competition at G Pullreddy College Of Engineering.
- Earned first rank for academic excellence at Annamacharya Institute of Technology and Sciences.
- Actively participated in Hackathon, contributing to a team that developed an innovative solution.

EXTRACURRICULAR ACTIVITIES

- Participated in workshops on Cybersecurity, Artificial Intelligence (AI), and Internet of Things (IoT), gaining hands-on insights into emerging technologies. Engaged in technical discussions to enhance understanding of modern frameworks and applications. Expanded expertise through collaborative learning and practical exposure.