

RANJAN V

Machine Learning Developer, Python Developer, Competitive Coder
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[Linkedin](#) | [GitHub](#) | [LeetCode](#) | [HackerRank](#)

EDUCATION

Vellore Institute of Technology
Computer Science and Engineering Bachelors
CGPA: 8.64

Andhra Pradesh, India
September 2023 - July 2027

Jawahar Navodaya Vidyalaya, Tumkuru
Physics, Chemistry, Maths, Informatics Practices, English
Percentage: 82%

Karnataka, India
July 2022 - March 2023

SKILLS

Programming Languages: Python, Java, Dart, C
Libraries/Frameworks: Tensorflow, Data Structures and Algorithms, Scikit-learn, Flutter, Pandas, Open CV, OOP, Numpy, Matplotlib
Tools / Platforms: Firebase, Github, Anaconda Navigator, Android Studio, IntelliJ Idea, VS Code
Databases: MySQL, SQL Server
Languages Spoken: English, Hindi, Kannada, German
Other: Soft Skills, Mentorship, Leadership, Communication, Problem Solving

EXPERIENCE

Competitive Programming Question Designer Remote | Jan 2025- Present
Navigate Labs

- Designed and developed challenging competitive programming questions covering diverse algorithms and data structures.
- Created optimized solutions and multiple approaches for each problem to ensure quality and reliability.

PROJECTS / OPEN-SOURCE

Lung Cancer Detection System Python, TensorFlow, Scikit-learn

- Developed a machine learning model to detect lung cancer from medical imaging data with high accuracy of 89%.
- Implemented data preprocessing techniques and trained the model using advanced classification algorithms to identify cancer stages effectively.

Swasta-Connecting Farmers to Consumers Python, Tensorflow, Kaggle, Numpy

- Led the development of AI models for real-time crop quality assessment and disease detection using image data.
- Managed a cross-functional team handling frontend, backend, databases and market integration.

Real-Time Chat Application Flutter, Firebase

- Developed a chat application with real-time messaging features using Flutter for the frontend and Firebase for backend integration.
- Implemented user authentication, message storage, and dynamic UI updates to enhance user experience.

Face Recognition Attendance System Python, Open CV

- Developed a Face Recognition Attendance System using Python and OpenCV.
- Integrated with SQL databases for secure and automated record-keeping.

ACHIEVEMENTS

Leetcode | Competitive Programming

- Solved 700+ problems covering diverse algorithms and data structures.
- Earned Knight badge, ranking in the top 5% based on contest performance.
- Demonstrated strong problem-solving skills in timed competitive coding contests.
- Solved complex coding questions related to databases.

Codechef | Competitive Programming

- 5-star coder on CodeChef, achieving a global rank of 535 and country rank of 202, placing in the top 0.25% of the platform.
- Consistently participated in CodeChef's weekly Starters contests with multiple top 25 finishes in contests.
- Proficient in Python, Java, and C with a passion for continuous learning.

Hackerrank | Problem Solving

- Ranked in the top 0.39% globally (879/222,901 participants) in Project Euler Contest.
- Gold (5-star) Ratings in SQL(with site-wide rank 1), Problem Solving, Python, and Java (Top 4%).
- Silver (4-star) Rating in C Programming (Top 8%).

VOLUNTEERING

Mentor- Avanti Fellows Remote | Jan 2024 – Present

- Mentored students in academics and career planning, fostering their personal and professional growth.
- Organized impactful sessions to build confidence, inspire learning and promote community engagement.