



# RANJANA H

 ranjana-h-21052005-

 <https://github.com/Ranjana0521>

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## SUMMARY

Results-driven Computer Science student specializing in Artificial Intelligence and Machine Learning, with hands-on experience in developing data-driven applications and intelligent systems. Proficient in Python, machine learning frameworks, and full-stack development. Successfully completed multiple real-world projects and a 24-hour hackathon, demonstrating strong problem-solving, analytical thinking, and rapid prototyping skills. Adept at building scalable solutions with a focus on user experience, performance, and real-world impact.

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## WORK EXPERIENCE

### Elevate Labs, AI&ML Intern

Jan - March 2026

- I worked on 16+ hands-on tasks and built 5 real-world projects.
- Gained practical experience in developing intelligent systems, data-driven solutions, and user-focused applications.
- Strengthened my problem-solving, model-building, and end-to-end project development skills in a fast-paced learning environment.

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## PROJECTS

- **Sentrya** - Built a production-level AI fraud detection platform with real-time risk scoring using XGBoost and anomaly detection.
- **Sign language recognizer** - Developed a real-time gesture-to-text system using OpenCV, and TensorFlow with high accuracy.
- **TalentRank AI-Intelligent Resume Screening-ATS-Optimization Platform** - Created an NLP-based ATS tool to rank resumes based on skills and job relevance, automating candidate shortlisting.
- **News-Article Classification Fake vs Real** - Built an NLP-based model using TF-IDF and ML algorithms to classify fake vs real news with high accuracy.
- **DeepDetect AI-Powered Credit Card Fraud Detection System** - Implemented anomaly detection models (Isolation Forest, LOF, XGBoost) to identify fraudulent transactions efficiently.
- **AI-Powered Movie Recommendation Engine** - Developed a content-based recommendation engine to suggest personalized movies using similarity algorithms.

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## EDUCATION

### Bachelor of Computer Science and Engineering

Sep 2023 - Oct 2027

Sai Vidya Institute Of Technology-Bengaluru

### 11-12 CBSE

2021 - 2023

Kendriya Vidyalaya-Bengaluru

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## ADDITIONAL INFORMATION

- **Technical Skills:** Machine Learning, Full-Stack Development, Natural Language Processing, Data Preprocessing, Python & C Programming, LaTeX
- **Soft Skills:** Adaptability, Team Collaboration, Communication, Creativity & Innovation, Problem Solving & Analytical Thinking
- **Languages:** English, Hindi, Kannada, German
- **Certifications:** Project Management with Agile, Cloud Computing & Distributed System(NPTL), AI fundamentals (IBM), Python Programming (Coursera)
- **Awards/Activities:** Participated in hackathons, volunteered programs