

NIGAM RAJ

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SUMMARY

Dynamic leader focused on achieving excellence in project delivery. Known for addressing challenges head-on and fostering a culture of accountability. Exceptional communication skills enhance team collaboration and drive performance. Committed to continuous improvement and professional development.

ACCOMPLISHMENTS

- **Received the Rajyapuraskar Award from the honorable Governor Vajubhai Rudabhai Vala in Scouts, and even Zilla Puraskar, which is a district award in Scouts**
- **Appointed captain of the scout troop, reflecting trust in my leadership and decision-making abilities**
- **state level abacus and district level 1st prize**

PROJECTS

1. Lung Disease Detection using Deep Learning
Technologies Used: Python, TensorFlow, Keras, CNN
 - Designed and trained a CNN model to classify chest X-ray images into COVID-19, Pneumonia, and Normal, aiding in quicker diagnosis and decision-making in healthcare.
 - Achieved 82% training accuracy with high recall for COVID-19 detection.
 - Integrated SHAP for model interpretability and used precision, recall, and accuracy for evaluation.
2. Heart Disease Prediction using Logistic Regression
Technologies Used: Python, Pandas, Scikit-learn.
 - Developed a logistic regression model using patient health data to predict heart disease risk.
 - Built a user-friendly interface to display predictions, health scores, and personalized diet suggestions.
 - Evaluated model using accuracy, confusion matrix, and AUC for robust performance assessment.

HOBBIES AND INTERESTS

- **Scouting:** Actively involved in Scouts, where I gained leadership skills and received the *Rajyapuraskar* award from the Honorable Governor for my leadership.
- **Technology & Programming:** Passionate about learning new programming languages and exploring innovations in AI, software development, and open-source projects.
- **Sports & Fitness:** Enjoy playing soccer and running to maintain physical fitness and teamwork skills.
- **Reading & Writing:** Love reading books, particularly on technology and personal development, and enjoy writing articles or blog posts on tech-related topics.
- **Music:** A big fan of listening to music across genres, finding it a great way to relax and stay motivated.

ACTIVITIES AND HONORS

- Successfully led my Scout troop during the 2021 survival camp, where we completed the legendary challenge of living in the forest for 10 days
- Maintained team morale, safety, and discipline under extreme conditions, ensuring every member completed the task

SOFT SKILLS

- Leadership skills
- Problem solving
- Analytical thinking
- Self-direction
- Time management
- Research
- Networking

EDUCATION AND TRAINING

Bachelor of Engineering :
Information Science, 07/2023
Nitte Meenakshi Institute of Technology - BENGALURU

PROGRAMMING SKILLS

- HTML
- CSS
- PHP
- JavaScript
- C
- Python

CERTIFICATIONS

- **Cisco Networking Academy JavaScript**
- Analysis and design of algorithms – Infosys Springboard
- Artificial intelligence – Infosys Springboard
- **Go programming language – Infosys Springboard**
- Software engineering – Infosys Springboard
- **Generative AI – GCSB (Google Cloud Skills Boost)**