Trijal R

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LinkedIn/Trijal| github.com/Trijal2005 | HackerRank/Trijal| Leetcode/Trijal

Aspiring developer with course-work in **AI&ML**, and **Front-end Development**. Skilled in building user-focused web apps and solving problems with structured logic. Currently exploring **Data Structures and Algorithms**. Actively seeking internship and job opportunities.

EDUCATION

B.Tech , Dayananda Sagar University	Bengaluru, Karnataka
Branch: **CSE(AI&ML)** with CGPA: **9.87**	Expected 08/2026
12th Graduate, Kendriya Vidyalaya M.E.G and Centre	Bengaluru, Karnataka
Percentage: **95%**	03/2022
10th Graduate, Kendriya Vidyalaya M.E.G and Centre	Bengaluru, Karnataka
Percentage: **86.8%**	03/2020

SKILLS

• Python • C/Java Problem Solving • Front-end Development • MySQL • Machine Learning • Deep Learning

• **Tools used**: Pandas, NumPy, tkinter,, HTML, CSS, JavaScript, Workbench, scikit-learn, TensorFlow, Keras, PyTorch .

PROJECTS

Animals Face Recognition & Classification Using YOLOv8 :
- Built a real-time system using YOLOv8 to detect and classify animal faces.
- Classified images/video streams into species or breed categories.
- Achieved reliable classification for wildlife and pet service applications.

Ensemble Learning for Disease Prediction (SVM, Random Forest) :
- Trained models on medical datasets to predict diseases from symptoms.
- Used SVM, Random Forest with Voting Ensemble Classifier.
- Improved healthcare decision-making through accurate predictions.

Noise Reduction Using Fourier Transform :
- Applied FFT to remove noise from audio signals, enhancing clarity.
- Identified noise in the frequency domain and filtered it out.
- Achieved improved audio quality for speech recognition and related applications.

Railway Track Fault Detection using YOLOv8 :
- Built a YOLOv8-based model to classify railway tracks as defective or non-defective.
- Processed and analysed input data to identify track faults.
- Achieved 62.18% accuracy, supporting early fault detection for safer railway operations.

Basic Apps (Calculator/XO Game/Gallery) Using Python (tkinter) :
- Developed GUI-based apps including a calculator, XO game, and gallery.
- Used Python and tkinter for event-driven programming.
- Demonstrated core GUI design and application logic skills.

CERTIFICATES & PARTICIPATION

- **Linux for Beginners**: Completed the foundational course on Linux basics through Infosys Springboard.
- **Linux Practical – App Development with Linux**: Scored 100/100 percentile in this Infosys Springboard course focused on Linux-based app development.
- **ServiceNow Micro-Certification**: Successfully completed *"Welcome to ServiceNow"*, demonstrating foundational knowledge of the ServiceNow platform.

SOFT SKILLS

Problem Solving | Team Collaboration | Continuous Learner | Time Management| Leadership