Riya Raulgaonkar

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SUMMARY

Aspiring Data Scientist proficient in Python, Machine Learning, and SQL, with strong problem-solving skills (DSA). Experienced in predictive modeling, data analysis (Excel), and Flask-based web deployment. Passionate about leveraging data-driven insights to solve real-world challenges.

EDUCATION

VIT Bhopal University Bhopal, MP
BTech in Computer Science and Engineering spec. in AI/ML – 8.63/10 *September, 2022-July, 2026*
Pace Junior Science College **Andheri,Mumbai**
Class XII - 79% *April, 2020-May, 2022*
Universal High School Dahisar-Mumbai
Class X - 98% *April, 2010-May, 2020*

EXPERIENCE

InternPe *December, 2024 – March, 2025*

- Worked on tasks and built projects and completed tasks.
- Focused on web development and built html,css and javascript projects.

PROJECTS

Healthcare Management Portal *Dec, 2024-April, 2025*
(html,css,javascript,flask,python)

- Developed a web platform which is offering healthcare services especially for the Old age homes where they can benefit from it. Created some blogs for lifestyle changes in order to maintain good health and hygiene.
- Created a backend with ML model which diagnoses whether the patient has diabetes or not on the basis of his blood-sugar level and other parameters to predicted the person is positive or negatively tested for diabetes and heart disease.

Deepfake detection using CNN *Sep, 2024-Dec, 2024*
(Deep Learning (CNN), Python (TensorFlow/Keras), Image Processing, Data Augmentation, and Model Evaluation (Precision/Recall)

- **Built a CNN model to detect deepfake images by analyzing patterns in real vs. fake photos. Trained on manipulated images to spot differences at pixel level.**

Smart Potato Disease Classification & Spray Optimization *March,2025-May,2025*
(Python, CNN, Reinforcement Learning (Dueling DQN/Q-learning), OpenCV, Scikit-learn, TensorFlow/PyTorch)

- Developed ML models to classify potato diseases using image data.The ML models are logistic regression,decision tree random forest and SVM.SVM gave highest accuracy to classifiy potato leaf diseases.
- Compared Dueling DQN vs. Q-learning (RL) to optimize pesticide spraying, reducing resource waste.

TECHNICAL SKILLS

Languages: Java,Javascript,Python (NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn), C++, Flask.
Tools and Technologies: Microsoft Excel, SQL, Git

CERTIFICATIONS

1. Generative AI course (IBM) *May,2025*
2. Applied Machine Learning in Python (Coursera) *December, 2023*
3. Blockchain Fundamentals *April,2025*
4. Computer Vision fundamentals(Vityarthi) *Dec,2024*
5. Graph Theory programming camp(Algo University) *April,2025*

ADDITIONAL INFORMATION

- **Languages:** Fluent in Hindi and English; Conversational proficiency in Marathi.
- Active GitHub contributor.