RIYA SINGH

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EDUCATION

VIT Bhopal University |Bhopal, Madhya Pradesh   July 2026
Bachelor of Technology (Computer Science Engineering)
Specialization in Cloud Computing and Automation
CGPA 8.43/10

Lucknow Public School CBSE |Lucknow,Uttar Pradesh
- Higher Secondary Grades   Mar 2021
- Matriculation Grades   Mar 2019

PROJECT

AtenV-Face Recognition Attendance System GitHub   Feb 2025
- Tech Stack: Python, OpenCV, Tkinter, SQLite
- Developed a GUI-based attendance tracking system that uses facial recognition to mark student presence.
- Integrated OpenCV's Haar Cascade classifier for real-time face detection and matching.
- Used SQLite for storing attendance logs and Tkinter for user-friendly interaction.
- Automated attendance process, reducing manual errors and time consumption.

BEATWELL - Fitness Tracking Application GitHub   Oct 2024
- Tech Stack: HTML, CSS, JavaScript, AWS Amplify
- Developed a responsive fitness tracking application focused on heart-rate monitoring and wellness.
- Deployed on AWS Amplify with custom domain, achieving 99.9% uptime and <2s load time.
- Integrated CI/CD with GitHub for automated deployments and version control.
- Optimized for scalability and seamless multi-device interaction.

Brain Tumor Detection GitHub   Jan 2024
- Tech Stack: Python, TensorFlow, Keras, OpenCV, Jupyter Notebook
- Developed a CNN-based deep learning model to classify brain MRI images as tumor or non-tumor.
- Achieved 90%+ accuracy on validation data through model tuning and data augmentation techniques.
- Implemented image preprocessing with OpenCV to enhance feature extraction and detection efficiency.
- Visualized predictions to support medical diagnosis workflows.

TECHNICAL SKILLS

- **Language:** Python, Java, HTML, SQL
- **Database:** MySql
- **Data Structures & Algorithms:** Solved 100+ ques on LeetCode using Java; GFG rank: 1247
- **Web:** Salesforce (Apex, LWC),
- **Cloud**: AWS, Oracle Cloud, Cloud Security, IAM, Terraform
- **Tools & Technologies:** Git, Jupyter,Salesforce CLI, MS Excel, OpenCV

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Salesforce Apex Specialist Superbadge
- Salesforce Developer Certification (7MM6GM4S)
- SQL on Oracle Cloud
- Bits and Bytes of Computer Networking – Coursera

EXTRACURRICULAR ACTIVITIES

- Managed and coordinated technical and cultural events as an active member of the SOL STATS O LOCKED club.
- Volunteered with the Marpu Foundation NGO, contributing to social awareness and community development initiatives.
- Assisted in organizing Advity Fest, handling logistics, coordination, and participant engagement.
- Passionate about reading books across various genres, including fiction, self-development, and technology.