

RIYA SINGH

Gomti Nagar Lucknow | 8299378724 | [GitHub](#) | [LinkedIn](#)

EDUCATION

VIT Bhopal University | Bhopal, Madhya Pradesh

Sept 2022- July 2026

Bachelor of Technology (Computer Science Engineering with specialization in Cloud Computing and Automation)

CGPA 8.41/10

Lucknow Public School CBSE | Lucknow, Uttar Pradesh

- Higher Secondary Grades
- Matriculation Grades

Mar 2021

Mar 2019

PROJECT

AtenV-Face Recognition Attendance System

(Dec 2024-Feb 2025)

- Engineered a Python-based facial recognition system using **OpenCV, Tkinter, and MySQL** to automate attendance tracking for 100+ students.
- Implemented **Haar Cascade classifiers** for face detection and trained the model on **500+ face images**. Designed a GUI with 6 interactive image-based buttons for registration, training, recognition, and reporting.
- Integrated MySQL database connectivity to store and manage student records and attendance logs, ensuring reliable and scalable data management alongside CSV export functionality.

BEATWELL - Fitness Tracking Application

(June 2024-Oct 2024)

- Built and deployed Beatwell, a responsive web application, using **HTML, CSS, and JavaScript**, hosted on **AWS Amplify** with a custom domain.
- Achieved **99.9% uptime, <2s page load time**, and fully automated **CI/CD for real-time** updates. The app supports multi-device responsiveness and handles 100+ user interactions per session. Integrated with GitHub for version control and scalable deployment infrastructure.

Brain Tumor Detection

(Sep 2023-Jan2024)

- Developed a deep learning model using Convolutional Neural Networks (CNNs) to classify brain MRI images into tumor and non-tumor categories with **96% accuracy**.
- Trained on a dataset of **3,762 labeled images**, applying image preprocessing, data augmentation, and binary classification techniques.
- Utilized **TensorFlow, Keras, and OpenCV** for model training and evaluation. Optimized performance using ReLU activation, MaxPooling, and Dropout layers to reduce overfitting and enhance generalization.

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

Leadership

- Managed events in the SOL STATS O LOCKED club.
- Volunteered with Marpu Foundation NGO.
- Assisted in organizing Advity Fest.

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Salesforce Apex Specialist Superbadge
- SQL on Oracle Cloud
- Bits and Bytes of Computer Networking – Coursera