

# RISHABH GUPTA

+91 7985531375 | rishabhguptarg.alld@gmail.com | LinkedIn | Github.com/RISHABH-GUPTA-RG

## EDUCATION

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### Vellore Institute of Technology

B.Tech in Computer Science and Technology. **GPA: 8.02/10.00**

2022 – Present

### Vishnu Bhagwan Public School

Secondary. **Percentage: 92**

2019 – 2020

Senior Secondary (Math with Computer Science). **Percentage: 82**

2021 – 2022

## SKILLS

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**Programming Languages:** C, C++, Python, JavaScript, TypeScript, SQL

**Web Development:** HTML, CSS, jQuery, Node.js, JSON, REST API

**Database & Backend:** MySQL, PostgreSQL, Flask, Django

**Machine Learning & AI:** NumPy, Matplotlib, Pandas, Scikit-learn, TensorFlow, PyTorch, OpenCV

**Tools & Platforms:** Git, GitHub, Postman, VS Code, Firebase, AWS

**Core Concept:** Database Management, Operating System, Data Structures and Algorithm

**Soft Skills:** Team Collaboration, Problem Solving, Time Management, Adaptability

## PROJECTS

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### Celestial Face – Facial Recognition Attendance System | GitHub

- Built an automated face recognition-based attendance system using **Python, OpenCV, Flask**, and the **face-recognition** library, achieving **95% accuracy** for 50+ registered users.
- Developed a **Flask-based backend and web interface** to handle face registration, attendance logging, and admin access, leveraging **in-memory hash maps** and **CSV-based persistence** for fast lookups.
- Improved real-time recognition performance by **30%** through **multithreading** to parallelize video frame capture and face matching, enabling smooth operation on standard hardware.

### TuneTrail – Music Streaming Web Application | GitHub

- Built a full-stack music streaming application using **HTML, CSS, JavaScript**, and **SQL**, supporting user authentication, audio playback, and dynamic content management.
- Implemented **5+ core features** including song uploads, playlist CRUD operations, search functionality, and wishlist management, handling **100+ audio files**.
- Designed a **responsive, mobile-first UI** using **Tailwind CSS** and integrated a normalized **SQL schema** to ensure reliable storage and efficient retrieval of user and playlist data.

### InterVia – AI-Powered Interview Management Platform | GitHub

- Built a **full-stack interview management platform** using **HTML, CSS, JavaScript, Flask**, and **SQL**, supporting **10+ interview workflows** including scheduling and status tracking.
- Implemented **resume upload and parsing pipelines** and integrated the **Gemini API** to generate **10–15** role-specific interview questions per resume which reduced interviewer preparation time by **40%**.
- Developed a **responsive frontend and persistent backend storage** to manage **50+ test interview records**, ensuring reliable data retrieval and interview coordination.

## CERTIFICATES

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### FullStack Developer (MERN)

April 2025

SmartBridge in partnership with MongoDB

### MongoDB Associate Database Administrator

April 2025

FacePrep

## ACHIEVEMENTS

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**LeetCode:** Achieved a contest rating of **1782** and solved **200+ problems** across data structures and algorithms.

**Codeforces:** Attained a maximum rating of **1200**, demonstrating strong problem-solving and competitive programming skills.