

LAKSHITA GUPTA

+91 7986790322 ✉ lakshitagupta0518@gmail.com 🔗 linkedin.com/in/lakshita-gupta 🌐 github.com/Lakshita018

EDUCATION

Bachelor of Technology, Computer Engineering

Thapar Institute of Engineering and Technology

– Current CGPA: 8.95

Aug. 2023 – Present

Patiala, Punjab

Higher Secondary, Science Stream

MCM DAV Public School

– CBSE 12th Percentage: 94.2%

March 2021 – May 2023

Pathankot, Punjab

PROJECTS

University Datesheet Generator

May 2025

Flask, Python, Jinja, HTML/CSS, Tailwind CSS, Oracle SQL, MySQL

- Built a complete web tool for generating university datesheets, processing teacher/student data and special requests.
- Created conflict-free exam schedules with smart logic and interactive frontend using Tailwind CSS and Jinja.
- Managed data storage and backend workflows using Flask, Oracle SQL, and MySQL Workbench.

Real-Time Mood Detection and Music Recommender

Apr. 2025

Python, TensorFlow, CNN+LSTM, OpenCV, Streamlit

- Engineered a real-time face emotion recognizer using CNN+LSTM with 95% test accuracy on FER2013.
- Applied OpenCV Haar Cascades for live face tracking; deployed interactive app using Streamlit.
- Showcases skills in computer vision, deep learning, sequential modeling, and deployment.

Colloquium 11 Website

Feb. 2025

React.js, Node.js, Express.js, MongoDB, Vercel

- Created a multi-page event website with smooth React.js UI and real-time registration with MongoDB.
- Handled backend APIs using Node.js and Express.js, deployed live on Vercel: colloquium11.vercel.app.

Web Vida Quiz Platform

Feb. 2025

React.js, Firebase, JavaScript

- Built a secure quiz platform with authentication and live leaderboard using Firebase.
- Hosted at: web-vida-trivia.vercel.app.

TECHNICAL SKILLS

Languages: C, C++, Python, JavaScript, SQL, HTML, CSS

Frontend: React.js, Tailwind CSS, Responsive Design

Backend: Node.js, Express.js, Flask (Jinja2), REST APIs, Server-Side Rendering

Databases: MongoDB, Firebase (Realtime Database, Firestore), Oracle SQL, MySQL

Core CS: Data Structures, Object-Oriented Programming (OOP), Operating Systems

ML/AI: TensorFlow, Scikit-learn, Neural Networks, Computer Vision (OpenCV), CNN+LSTM

Data Analytics: NumPy, Pandas, Tableau, Data Visualization

Developer Tools: VS Code, Git, GitHub, Linux, Postman, MySQL Workbench

Cloud/Deployment: Vercel, Firebase Hosting

POSITION OF RESPONSIBILITY

General Secretary, ISTE

Indian Society for Technical Education

May 2025 – Present

Patiala, Punjab

- Led the technical division, building platforms that supported 1000+ event registrations.
- Delivered the Web Vida Quiz Platform with secure login for 100+ live participants.
- Managed 20+ workshops and competitions engaging 200+ students.

SOFT SKILLS

- Communication:** Clearly articulate technical concepts to varied audiences.
- Collaboration:** Demonstrate effective teamwork in multidisciplinary settings.
- Leadership:** Guide and motivate teams to achieve objectives.
- Analytical Thinking:** Apply logical reasoning to resolve complex problems.
- Time Management:** Prioritize and execute tasks effectively to meet academic and project deadlines.
- Adaptability:** Quickly learn and apply new technologies and processes.
- Attention to Detail:** Ensure code quality, data accuracy, and consistency in project execution.

ACHIEVEMENTS/CERTIFICATIONS

Certificate of Completion <i>Data Analytics Job Simulation, Deloitte Forage</i>	June 2025 <i>Virtual</i>
– Completed practical tasks in data analysis and forensic technology under Deloitte’s virtual job simulation program.	
Finalist <i>Makeathon 6, MLSC, Thapar Institute</i>	Feb. 2024 <i>Patiala</i>