

BHUVIKA AGGARWAL

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EDUCATION Bachelor of Technology (CGPA 7.73)

VELLORE INSTITUTE OF TECHNOLOGY Bhopal • Madhya Pradesh, INDIA • 2026

Class XII Board (CBSE Percentage - 90%)

DAV Public School • Faridabad, Haryana, INDIA • 2020

Class X Board (CBSE Percentage - 92%)

DAV Public School • Faridabad, Haryana, INDIA • 2022

SKILLS

python, SQL, MongoDB, PowerBI, Machine learning, Artificial intelligence, GenAI, Prompt Engineering, Pandas, NumPy, Matplotlib, Skit learn, GIT, GITHUB, NodeJS, flask, RESTful APIs,

PROJECTS

Data Warehousing Project on SQL – Car Rental System

- Designed a data warehouse for a Car Rental System to support analytics and reporting.
- Built ER and star schemas to model cars, customers, bookings, and payments.
- Applied ETL processes for data integration, consistency, and reduced redundancy.
- Developed SQL queries, views, and procedures for insights on car usage, booking trends, and revenue.
- Implemented reporting mechanisms for management dashboards and business intelligence.
- Objective: Deliver a scalable warehouse enabling fast retrieval, historical analysis, and future web/mobile integration.

Fetal Health Detection System

- Developed a complete ML-based healthcare application that predicts fetal health status to assist medical professionals in early diagnosis. Key contributions:
- Used ultrasonic dataset for detecting normal, suspect, or pathological fetal conditions. Performed data preprocessing, feature scaling, and visualization for exploratory data analysis. Trained multiple machine learning models like Logistic Regression, Random Forest, and SVM, comparing their performance for best accuracy. Developed backend APIs using Flask to deploy the trained model and built a frontend interface to input patient data and display real-time predictions. The system aims to support obstetricians in monitoring fetal health efficiently and reducing risks during pregnancy.
- Skills: ML, Flask, Rest- APIs.

EXPERIENCE (Backend Developer Intern)

SWET(Government Authorized) Internship worked on the development of a national-level online examination portal for conducting Olympiads across schools in India.

Responsible for designing and implementing backend services, including user authentication, exam scheduling, and result management using technologies such as Node.js, MongoDB, and Express. Contributed to data analysis tasks to assess user performance and generate insightful reports for academic evaluation.

Skills: Backend Development, Node.js, Express, MongoDB, REST APIs, Data Analysis, Basic Web Development.

Co-Curricular Activities

- Linux Club Outreach Lead – Secured sponsorships (Red Bull, Unstop, GiveMyCertificate, local startups, etc.) and successfully organized events such as Silent Disco, Capture the Flag (Tech Event), Collage Rivals (Gaming), and Prompt Clash (Tech Event).
- Participated in Hackathons and conferences to showcase and enhance my skills

Extra-Curricular Activities

Sports Achievements – Reached the semi-finals in college badminton championship, won Gold Medal in district-level skating, participated in state-level throw ball, and won a trophy in district-level football.

Cultural Performances – Actively performed in dance, singing, anchoring, and drama events at various college fests.