BHUVIKA AGGARWAL

Intern

EXPERIENCE

SWET(Government Authorized) 6 months 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.

PROJECTS

2022 – 2023   **DATA WAREHOUSING PROJECT ON SQL – CAR RENTAL SYSTEM** (Data Warehousing)

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.
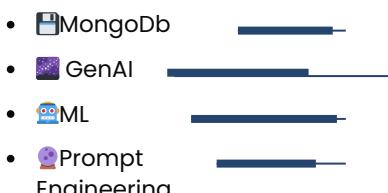
2023–2024   **FETAL HEALTH DETECTION SYSTEM** (ML project 🤖)

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 ef5iciently and reducing risks during pregnancy.
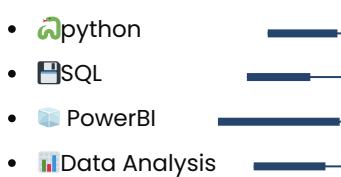
2024 - 2025   **RECIPE GENERATOR APPLICATION** (Full Stack)

Full-Stack Recipe Generator Application Engineered a dynamic full-stack web application to provide users with on-demand recipe generation and browsing capabilities. Developed a responsive, server-side rendered frontend using Next.js and React to ensure a fast user experience. Built a robust RESTful API using Node.js and Express for backend logic and data management. Integrated a third-party open API to dynamically fetch and display a wide variety of recipe data. Utilized MongoDB for efficient data storage and retrieval of user information or saved recipes.

SKILLS

- 💾 MongoDb
- 🟪 GenAI
- 🤖 ML
- 🧙‍♀️ Prompt Engineering

EXPERTISE

- 🐍 python
- 💾 SQL
- 📘 PowerBI
- 📊 Data Analysis

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY
B.tech in computer science 2022 - 2026
Percentage - 7.73

DAV PUBLIC SCHOOL
12th (2021 - 2022)
Percentage - 90%

DAV PUBLIC SCHOOL
10th (2019 - 2020)
percentage - 92%

HOBBIES

⛸️ Skating
🎸 Guitar Playing
🎤 Singing
💃 Dancing
🎨 Art & Craft
📢 Marketing
⚽ Football
📈 Stock Market

EXTRA-CURRICULAR

- Linux Club Outreach Lead – Secured **sponsorships** (Red Bull, Unstop, GiveMyCerti5icate, local startups, etc.) and successfully organized events such as Silent Disco, Capture the Flag (Tech Event), Collage Rivals (Gaming), and Prompt Clash (Tech Event).
- 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.
- Stocks and Trading – I have a keen interest in **trading and stock market**. I do regular research, chart reading and investment in stock market.

CONTACT

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