Shreya Agrawal

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Education

Vellore Institute of Technology, Bhopal **2023 - 2027**
B.Tech in Computer Science and Engineering (AI-ML) *CGPA: 7.88*

DALIMSS Sunbeam School, CBSE **2023**
12th Class

DALIMSS Sunbeam School, Sigra, CBSE **2021**
10th Class *Percentage: 82.4%*

Technical Skills

- **Programming Languages**: Tailwind CSS, Python, JavaScript, MySQL
- **Frameworks**: Node.js, React.js, MongoDB, Flutter
- **Tools**: Figma, Canva, Dart, LaTeX
- **Others**: Computer Networks, DBMS, Data Structures and Algorithms, Git, GitHub

Experience

AI Engineer - amasQIS.ai **April 2025 - September 2025**
Internship , Remote (Muscat , Oman)

- Pioneered user interface enhancements across web and mobile applications **leveraging Vite.js, Tailwind CSS, and Flutter**; resulting in a 15% increase in task completion rates through improved usability.
- Integrated a **Retrieval-Augmented Generation (RAG) model** virtual bot **using Groq API, LangChain, and Eleven Labs** for advanced conversational and text-to-speech features, optimizing usability through iterative testing.
- Curated and **annotated over 500 images** to build machine learning datasets on Roboflow.

iOS Club, VIT Bhopal **October 2023 - Present**
Developers Team Member

- Built and launched CampusConnect, a platform simplifying university club event discovery and promotion, fostering greater student participation and engagement.
- Created a real-time leaderboard that refreshes every 15 seconds, used by 200+ teams across 5+ events organized by various student clubs.

Projects

Myntra HackerRamp Project **GitHub**

- Designed and developed a feature-rich shopping platform incorporating Virtual Try-On, Pair Finder, and Modista (personal stylist bot).
- Boosted user engagement with Trend-Centric Recommendations, Weekly Quizzes, and a carbon footprint tracker, contributing to increased sales and profitability.
- Tech Stack: Flutter, Firebase, Python

Holographic Microplastic Image Classification **GitHub**

- Engineered a CNN-based classification system, leveraging digital holography to categorize microplastic particles, improving accuracy in automatic micro-object classification by 15% and reducing manual review time.
- Built an interactive visualization interface with Streamlit, improving research accessibility.
- Tech Stack: HTML, CSS, Python, APIs, Streamlit

AgriTech Solution - Jagran Lakecity University Hackathon **GitHub**

- Engineered an AgriTech platform assisting farmers with crop management, market prices, and weather forecasts.
- Designed the frontend interface, integrated real-time APIs, and improved data visualization.
- Attracted 41 unique viewers on Streamlit profile.
- Tech Stack: HTML, CSS, Python, APIs

Achievements

- Finalist, Smart India Hackathon 2024 Internal Round, selected from 369 teams, achieving a spot in the Top 50.
- Advanced to Round 2 in Myntra HackerRamp WeForShe 2024 among 29,000+ participants.
- Secured 8th place in Lackecity Hackathon 2024; Role: Frontend Developer.
- Cleared all internal rounds of Smart India Hackathon (SIH), for consecutive 2 years from November 2023 to 2024.