

Trusha Anand

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Skills

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- **Languages** - C++, Python, SQL, PowerBi.
 - **Relevant Coursework**: Data Structures and Algorithms{DSA}, Database Management System(DBMS), Operating System(OS), Networking(CN)
 - **Freamweworks** : MediaPipe, TensorFlow/Keras, NumPy, scikit-learn, Matplotlib, Tkinter

Education

VIT Bhopal University (Expected 2026) BTech Major in Computer Science and Engineering	Bhopal, Madhya Pradesh Cumulative GPA: 8.39
Maharaja Agrasen Model School (Jul 2022) 12 th Standard- CBSE(Central Board of Secondary Education)	Percentage: 88.6%
DPS,Sonepat (Jul 2020) 10 th Standard- CBSE(Central Board of Secondary Education)	Percentage: 92.2%

Projects

HandSpeak

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- Real-time ASL detection system using MediaPipe + LSTM, achieving 95% accuracy across 26 alphabet signs
 - Processed 30+ FPS video streams extracting 21 hand landmarks for gesture recognition
 - Optimized on 1,000+ samples per gesture with 128-unit architecture, <100ms inference time
 - Integrated webcam interface for real-time sign language interpretation

Feb 2024-May 2024

QuesMake

- It Is A Question Paper Generator That Takes In The Number Of Questions And Types Of Questions And Generates The Questions Paper Where The Questions Are Generated Randomly From A Database
- Python-based question generation system processing 10,000+ data records from CSV files with automated SQL database integration
- Automated CSV parsing and SQL database operations using pandas and SQLite, handling 500+ questions per category
- Created dynamic question generation logic with 80% accuracy in content categorization and difficulty assessment

April 2025-May 2024

Certifications

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- [NPTEL Marketing in Data Ananlytics](#) : covering data-driven marketing strategies, customer analytics, and statistical modeling techniques for business insights using R.
 - [COUSERA IBM ·Databases and SQL for Data Science with Python](#) : SQL database operations, data manipulation, and Python integration for data science applications.
 - COUSERA IBM - Data Analysis with Python : data analysis techniques using Python libraries including pandas, NumPy, and matplotlib for statistical analysis and visualization.