Taswi Shahpar
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Education

VIT Bhopal University	Bhopal , Madhya Pradesh
BTech Computer Science and Engineering	Sep 22 - Jun 2026
CGPA : 8.39	
Class XII	
Carmel School Digwadih	Dhanbad , Jharkhand
ISC Percentage:68%	Jul , 2020
Class X	
Carmel School Digwadih	Dhanbad , Jharkhand
ICSE Percentage:82.6%	May , 2018

Project:-

Smart Farming Project   Aug , 2023 – Oct , 2023
- Developed an Arduino-based IoT smart farming system with automated irrigation and monitoring, reducing water consumption by 20% and enabling remote farm management.
- Conducted extensive testing on fields to ensure system reliability up to 50% and accuracy up to 60% under various environmental conditions by deploying the system in real time environment.

BCG Gen AI Job Simulation on Forage   Jan , 2025
- Completed a job simulation on AI-powered financial chatbot development for BCG's GenAI Consulting team, gaining hands-on experience in Python and data manipulation using libraries .
- Integrated and interpreted complex financial data from 10-K and 10-Q reports, employing rule-based logic to create a chatbot that provides user-friendly financial insights and analysis.

Rice Leaf Disease Detection   Jul , 2024 – Apr , 2024
- Processed 11,790 rice leaf images using a hybrid augmentation pipeline (CycleGAN + traditional methods), resulting in a highly accurate disease classification model with 99% test accuracy.
- Applied DBSCAN clustering and early-stage symptom detection techniques to refine training data and enable precise identification of rice leaf diseases at initial stages.

Extracurricular :-

National Service Scheme   Dec , 2022 – Feb , 2023
- Raised awareness against excessive alcohol consumption in 10 wards of 3 villages .

Achievements:-

Finalists in AI innovation Hackathon by Haptiq   Jan , 2025
- Designed a framework utilizing RNNs, CNNs, and IoT integrations to predict disasters like earthquakes, floods, and cyclones. Focused on real-time monitoring, automated alerts, and public awareness through an interactive dashboard visualization.
- Integrated cloud computing (AWS, Google Cloud) and AI frameworks (TensorFlow, PyTorch) for scalable processing for early alerts on earthquakes, floods, and cyclones.

Technical Skills :- Proficient in MATLAB , Python , Java , Html , CSS , JavaScript , Machine Learning.
Languages :- Fluent in Hindi , English.
Certifications and Training:-
- Online Course in Bit and Bytes of Networking (Coursera)-   Dec, 2023
- Course in Cloud Computing (NPTEL) -   Apr , 2024
- Industrial Certification in IBM -GEN AI-   Apr , 2025
- Industrial Certification in IBM-BlockChain-   Apr , 2025
- Online Course in Marketing Analysis(NPTEL)-   Apr , 2025