

Taswi Shahpar

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Education

VIT Bhopal University BTech Computer Science and Engineering CGPA : 8.47	Bhopal , Madhya Pradesh Sep 22 - Jun 2026
Class XII Carmel School Digwadih ISC Percentage:68%	Dhanbad , Jharkhand Jul , 2020
Class X Carmel School Digwadih ICSE Percentage:82.6%	Dhanbad , Jharkhand May , 2018

Project:-

Smart Farming Project	Aug , 2023 – Oct , 2023
<ul style="list-style-type: none">Developed an Arduino-based IoT smart farming system with automated irrigation and environmental sensing, reducing water usage by 20% and enhancing crop monitoring efficiency.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.Implemented real-time data transmission and remote control via IoT protocols (MQTT, HTTP), enabling precision agriculture, predictive analytics, and improved farm decision-making.	
BCG Gen AI Job Simulation on Forage	Jan , 2025
<ul style="list-style-type: none">Completed a job simulation involving AI-powered financial chatbot development for BCG's GenAI Consulting team , gaining experience in Python programming, including the use of libraries such as pandas for data manipulation , data preprocessing, feature engineering, and exploratory data analysis.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 , 2025
<ul style="list-style-type: none">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
<ul style="list-style-type: none">Raised awareness against excessive alcohol consumption in 10 wards of 3 villages .	

Achievements:-

Finalists in AI innovation Hackathon by Haptiq	Jan , 2025
<ul style="list-style-type: none">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