

Bhagyashree Tanwar (she/her)

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EDUCATION

VIT Bhopal University

B. Tech in Computer Science Engineering

Cumulative GPA: 8.7/10

Relevant Coursework: Data Structures and Algorithms, Software Engineering, Operating Systems, Artificial Intelligence and Machine Learning, Statistics

Bhopal, Madhya Pradesh

Expected May 2026

SKILLS

Programming Languages: Python, Java, SQL, C++, HTML, CSS, Javascript

Libraries & Frameworks: Pandas, NumPy, TensorFlow, Keras, Seaborn, Matplotlib

Tools & Platforms: AWS, Tableau, Excel

PROJECTS

EXPerT

Smart Expense Predictor & Budget Planner

Jan 25 - Feb 25

- Engineered an LSTM-based model to forecast monthly expenses and a Transformer-based classifier to categorize transactions based on descriptions with 90%+ accuracy.
- Architected predictions on a dataset of 26,000+ financial records, ensuring sub-second response times and seamless real-time interactivity.
- Tech Stack: Leveraged Python, LSTM, Hugging Face BERT Transformer, Pandas, Streamlit, Matplotlib

Dropin

Customer Churn Prediction for Financial Services

June 24 - July 24

- Implemented a deep learning model using fully connected neural networks to predict customer churn from open-source financial datasets with a validation accuracy of over 80%.
- Integrated an interactive dashboard using Streamlit to visualize churn risk, feature contributions, and actionable insights, improving decision making speed by ~40% during testing phases.
- Tech Stack: Developed using Python, TensorFlow, SHAP, Pandas, Streamlit, Scikit-learn

DocDecoder

Document querying software

Nov 23 - Dec 23

- Conceptualized and deployed a Generative AI solution that processed and extracted information from 6 file formats (PDF, JPG, JPEG, PNG, PPTX, TXT) with over 90% accuracy.
- Optimized data processing and natural language understanding and reduced processing time.
- Tech Stack: Utilized Python, Google Gemini API, LangChain, Hugging Face Transformers, Streamlit

ACHIEVEMENTS & EXTRACURRICULARS

Smart India Hackathon Grand Finalist, Team Hastakriti

Aug 24 - Dec 24

- Engineered a cost-effective myoelectric prosthetic hand with a project budget of INR 15,000.
- Secured finalist status among 200+ competing teams in a 5-day hardware hackathon.

Fintech Club, VIT Bhopal

Nov 22 - June 24

Core Member, Event Management Team

- Coordinated 5+ finance awareness events (both online and offline) that reached over 500 students.
- Worked in team settings to arrange workshops with Guest Lecturers.

Dramatics Club, VIT Bhopal

Nov 22 - May 22

- Performed in stage plays and co-ordinated club events, contributing to productions with audiences of 300+

ACTIVITIES

Dramatics: Participated in Darpan(Stage Play Competition) in Advitya 2023, VIT Bhopal

Public Speaking: Clinched top positions and medals in various Extempore, Poetry Reciting and Debate Competitions; Won Academic Excellence award 2020, Jayshree Periwal High School

ADDITIONAL

Languages: Fluent in Hindi and English; Beginner's level in French and Japanese.

Certifications: MATLAB And Simulink, Machine Learning with Python (IBM via Coursera), Supervised ML(Deeplearning.AI, Stanford University via Coursera), GEN AI using IBM Watsonx (IBM), AWS Solutions Architect (Ethnus Codemithra)