Bhagyashree Tanwar (she/her)

Phone: +916367479187 | Email: bhagyashree.tanwar029@gmail.com | Github | LinkedIn | Tableau

EDUCATION

VIT Bhopal University Bhopal, Madhya Pradesh
B. Tech Expected May 2026
Computer Science Engineering
Cumulative GPA: 8.65/10

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

EXTRACURRICULAR

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

Technical Skills: Python, Java, SQL, C++, Pandas, NumPy, TensorFlow, PyTorch, Keras, Seaborn, Matplotlib, Tableau, Excel
Languages: Fluent in Hindi and English; Beginner's level in French and Japanese.
Certifications: MATLAB And Simulink, Introduction to Python (VITyarthi), Machine Learning with Python (IBM via Coursera), Supervised ML: Regression and Classification(Deeplearning.AI, Stanford University via Coursera), GEN AI using IBM Watsonx (IBM), AWS Solutions Architect (Ethnus Codemithra)