

# ABHASH BHADORIA

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## Education

VIT Bhopal University, Bhopal, Madhya Pradesh, India

2022 – 2026

Bachelor of Technology (B.Tech) in CSE (Cyber Security and Digital Forensic)

CGPA: 8.69

## Technical Skills

**Programming & Data Management** : Java, Python, R, SQL, HTML, CSS, Data Cleaning, Data Warehousing, ETL.  
**Data Analysis & Visualization**: Excel, Power BI, Tableau, Pandas, NumPy, Statistical Analysis, Data Mining.  
**AI & Machine Learning**: Machine Learning (TensorFlow, scikit-learn), Natural Language Processing (NLP), Predictive Modeling, Classification, Clustering.  
**Development Tools**: Git, GitHub, React.js, Linux, Command Line.  
**Data Engineering**: Data Integration, Database Design, Query Optimization, Data Pipelines.

## Projects

Deep Fake Video Detection System | *PyTorch, OpenCV, TensorFlow, Keras, Res Next-50*

Oct 2024 - Dec 2024

- Developed a deepfake detection system that analyzes 20 extracted frames for facial inconsistencies and motion artifacts.
- Collaborated with a team of five to train models, improve detection accuracy, and integrate the complete system.
- Delivered instant results to identify fake videos, enhancing content authenticity across social media platforms.

Disease Prediction System | *Python, Streamlit, scikit-learn, Pandas, NumPy*

Dec 2024- April 2025

- Built a disease prediction system using Decision Tree, Random Forest, KNN, and Naive Bayes models.
- Achieved prediction accuracies of 89% (Decision Tree), 90% (Naive Bayes), 88.9% (KNN), and comparable results with Random Forest.
- Integrated all models into a single interface to diagnose diseases in real time from symptom inputs.

NetraAI- Eyes powered by AI | *Python, YOLOv8, DeepFace, Whisper, OpenCV, EasyOCR, TTS/STT*

Ongoing

- Building AI-powered smart goggles that narrate scenes, faces, and text with voice synthesis, featuring offline speech control, obstacle alerts, and currency and weather recognition.
- Future plans include hardware deployment, research publication, cloud syncing, and multilingual support.

MoodMate | *React.js, FastAPI, Python, Gemini AI, DeepFace, TMDB, Spotify API*

Jun 2025

- Achieved 92% mood detection accuracy and delivered 5x personalized recommendations (chat, music, movies, books, games).
- Built a healing library of 100+ motivational books and 20+ mood-based games with Gemini AI-powered chat.
- Improved user engagement by 40% with voice commands, dark mode, and secure authentication features.

## Certifications

- Google Data Analysis with R Programming — **View Certificate**
- IBM DevOps Fundamentals — **View Certificate**
- IBM Blockchain Developer — **View Certificate**

## Achievements

- Secured 205th rank (top 10%) out of 2000 teams in the Zelestra x AWS ML Ascend Challenge.
- Contributor, Social Summer of Code (SSOC) Season 4, actively participating in open-source development and collaboration.
- Solved more than 200 Data Structures and Algorithms (DSA) problems on Leet Code, which really improved my ability to solve problems and think algorithmically.

## Leadership / Extracurricular

- Discipline committee coordinator, VIT Bhopal University, Bhopal (MP).
- Core member of VIT Bhopal's Mozilla Firefox Club, driving the successful execution of impactful hackathons and workshops, demonstrating strong leadership and organizational excellence.
- Core Member in AWS Cloud Club of VIT Bhopal University.

## Languages

- Fluent in English , Hindi