

SHREYANSH SHAKYA

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LinkedIn



GitHub

Education

VIT Bhopal

Bachelor of Science in Computer Science

Sep. 2023 – Expected Graduation: 2027

Madhya Pradesh

Experience

CodingJr

April 2025 – Present

AI Research Intern

- Researched **over 50 potential clients** to guide the product development lifecycle.
- Developed **10+ technical presentations** for client pitches, contributing to a **15% increase in client engagement**.
- Analyzed **5 major competitors** and client feedback to inform a product strategy that prioritized **3 new core features**.

Projects

Speech Emotion Detection — Python, TensorFlow, CNN-BiLSTM

March 2025

- Developed a lightweight CNN-based model achieving **72% classification accuracy**.
- Trained the Speech Emotion Recognition (SER) model on **over 5,000 audio samples** from the RAVDESS and TESS datasets.
- Authored an **4-page research paper** selected for the International Conference on Data, Energy and Communication Networks (DECoN), a conference with an estimated **30% acceptance rate**.

Brain Tumor Segmentation — Python, TensorFlow, EfficientNet, Medical Imaging

Sep. 2024

- Designed a deep learning model for medical image segmentation, achieving a **70% Dice coefficient** on the BraTS validation dataset.
- Integrated an EfficientNet encoder into a U-Net architecture, improving segmentation accuracy by **12%** over a baseline model.
- Processed and visualized **over 1,500 3D MRI brain scans** using NumPy and Matplotlib.

Student Performance Predictor — Python, Scikit-Learn, Pandas, NumPy

April 2024

- Developed a predictive model to estimate student performance, achieving a **Root Mean Squared Error (RMSE) of 0.85** on the test set.
- Performed data cleaning and EDA on a dataset with **1,000+ samples** and **30+ features**.
- Identified Random Forest as the best-performing model, outperforming Linear Regression by a **15% lower Mean Squared Error (MSE)**.

Technical Skills

Languages: Python, C++, C, SQL, JAVA

Machine Learning: TensorFlow, Scikit-Learn, PyTorch

Data Visualization: Matplotlib, Seaborn, OpenCV

Developer Tools: VS Code, Git/GitHub, Google Cloud Platform, Jupyter Notebook

Leadership / Extracurricular

IEEE CSNT Conference 2025

February 2025

VIT Bhopal

- Assisted in logistical planning and execution for a conference with **over 300 attendees** and **20+ technical sessions**.
- Anchored a **90-minute technical session**, facilitating Q&A for an audience of **researchers and students**.

Cooking and Feasting Club

March 2025

VIT Bhopal

- Led a team of **15 students** to organize *Rustle Up Pristine*, the annual cultural festival, increasing attendance by **200%**.
- Implemented teamwork strategies and a new feedback system that improved member retention by **90%** over.