

Dadga Preet Ashwin

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GitHub Profile
LinkedIn Profile

EDUCATION

- VIT Bhopal University, Bhopal** Expected May 2026
B.Tech in Computer Science Engineering CGPA: 8.6/10
- Guru Nanak School of Excellence, 12th Standard** Mar 2022
Gujarat Secondary and Higher Secondary Education Board, Gujarat Percentage: 83%
- Excelsior Model High School, 10th Standard** Mar 2020
Gujarat Secondary and Higher Secondary Education Board, Gujarat Percentage: 85%

PROJECTS

- VibeValue** Aug 2023 - Nov 2023
Language Model for Enhanced Financial Sentiment Insights
 - Engineered a financial sentiment analysis model using FinBERT, achieving 99.6% classification accuracy across 12,000+ annotated financial texts.
 - Boosted sentiment prediction precision by 8–12% over LSTM, ELMo, and ULMFit baselines through advanced hyperparameter tuning.
 - Improved inference time by 40% via model pruning and batch size optimization, enabling near real-time financial news analysis.
 - Built an NLP pipeline processing 200K+ tokens using domain-specific datasets (Financial PhraseBank, FiQA) and achieved 98% test coverage via 50+ unit/integration tests.
- AlzAware** Feb 2024 - Apr 2024
Early Detection of Alzheimer's Disease Using Deep Learning
 - Developed a deep learning framework using 3D MRI scans for early Alzheimer's detection, achieving 91.18% accuracy and 0.90 F1-score.
 - Trained transformer-based 3D attention models on 1,000+ samples, outperforming standard 3D CNNs in both interpretability and sensitivity.
 - Integrated preprocessing and augmentation pipelines to handle 10GB+ neuroimaging datasets using NiBabel, OpenCV, and TensorFlow.
- TeraTech** Jan 2025 - Apr 2025
Hybrid Machine Learning Model for Agricultural Price Forecasting
 - Built a forecasting system for 22+ Indian crops using hybrid LSTM + XGBoost architecture, achieving 97.56% accuracy in time-series prediction.
 - Designed a full pipeline: data scraping, Apache Kafka ingestion, preprocessing, model training, real-time prediction, and dashboard visualization.
 - Enhanced model performance using lag features, rolling statistics, and trend decomposition for better seasonal pattern recognition.
 - Deployed CI/CD workflows with AWS SageMaker and PostgreSQL integration for scalable, production-ready deployment.

SKILLS AND INTERESTS

Technical Proficiencies: Python, C++, Java, SQL, JavaScript
Frameworks & Libraries: TensorFlow, Keras, Scikit-learn, OpenCV, Hugging Face Transformers
Tools & Platforms: Git, Docker, JupyterLab, Google Colab, VS Code, MySQL
Languages: Fluent in English, Hindi and Gujarati

ACHIEVEMENTS

- 5-Star Rating in Java on HackerRank** May 2023
- Earned the 100 Days Badge on LeetCode** May 2024
- Completed 100DaysOfCode challenge** May 2024

CERTIFICATION AND TRAINING

- Python Essentials on vityarthi** Apr 2023
- NPTEL Online certification in Cloud Computing** Apr 2024
- Machine Learning With Python** Feb 2024
- NPTEL Online certification in Marketing Analysis** May 2025