MITHUN PATTABHI

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SUMMARY

Third-year AI/ML undergraduate passionate about building and optimizing intelligent systems for real-world impact. Experienced in deep learning, model deployment, and data-driven problem solving using TensorFlow, PyTorch, and Scikit-learn.

EDUCATION

VIT AP University 2023 – 2027
BTech / Computer Science and Engineering (AIML Specialization) *CGPA: 8.83/10*

Narayana PU College 2023
Class XII - CBSE *Percentage: 71.4%*

Daffodils English School 2021
Class X - ICSE *Percentage: 84.7%*

TRAINING & COURSEWORK

GDG OnCampus Gen AI Study Jams 2025
GDG on Campus Solution Challenge India 2025
AWS Academy Graduate - Cloud Foundations - Training Badge 2025

EXPERIENCE

Lead Game Developer | Spectrix (Startup at VIT-AP) Dec 2023 – Feb 2025
Unreal Engine-based video game

- Led a 5-member team to design and develop an Unreal Engine-based 3rd person video game with advanced features.
- Mentored juniors in game logic, animations and town building, improving delivery speed by 50%.

PROJECTS

Offline Translation Software Dec 2024 – Mar 2025
AI/ML & Data Analytics Team Project

- Built offline AI-powered translation system for Indian languages, ensuring high linguistic accuracy and cultural relevance.
- Implemented Neural Machine Translation models optimized for edge deployment, reducing processing to $<$10s/sentence.
- Designed preprocessing/tokenization pipelines and collaborated with a 3-member team using ONNX.

Bangalore Land Price Prediction July 2025 – July 2025
Web Application using ML

- Developed ML web app to predict land prices/sq.ft. in Bangalore using Linear Regression with real data.
- Integrated 10+ features (locality, land type, rental value, amenities, connectivity, etc.) for accurate predictions.
- Built interactive Flask+Bootstrap UI with dropdowns, form validation, and trend visualizations.

Laptop Diagnostic AI Aug 2025 – Oct 2025
Flask-based Machine Learning Web Application: Project Website Link

- Developed a system health diagnostic web app using Random Forest Classifier to detect abnormal performance.
- Processed HWInfo sensor data, selected 18 key hardware features, and used feature scaling for accurate ML predictions along with a user interface for easy processing.

TECHNICAL SKILLS

Programming: Python, Java
Machine Learning & Deep Learning: TensorFlow, Keras, PyTorch, Scikit-learn, NumPy, Pandas, Data Preprocessing, Model Evaluation, Hyperparameter Tuning, Transfer Learning
Data Science: Data Analysis, Data Cleaning, Feature Engineering, Data Visualization (Matplotlib, Seaborn), Regression & Classification, Ensemble Learning, Time Series Analysis
Tools & Frameworks: Jupyter Notebook, Google Colab (GPU), Flask, Bootstrap, Git/GitHub
Databases: MySQL