

MITHUN PATTABHI

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SUMMARY

Third-year AIML undergraduate with strong hands-on experience building end-to-end machine learning systems, including data collection, model training, evaluation, and deployment. Experienced in deep learning, transfer learning, and real-world dataset handling, with a focus on practical, deployable AI solutions.

EDUCATION

VIT AP University <i>BTech / Computer Science and Engineering (AIML Specialization)</i>	2023 – 2027 CGPA: 8.69/10
Narayana PU College <i>Class XII - CBSE</i>	2023 Percentage: 71.4%
Daffodils English School <i>Class X - ICSE</i>	2021 Percentage: 84.7%

TRAINING & COURSEWORK

Complete A.I. & Machine Learning, Data Science Bootcamp	2025
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) <i>Unreal Engine-based video game</i>	Dec 2023 – Feb 2025
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- 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

Video Game Screenshot Classification using Deep Learning	Oct 2025 – Jan 2026
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Deep Learning Project (Computer Vision): [Project Demo Link](#)

- Built an image classification system to identify video games from screenshots using a custom dataset extracted from gameplay videos.
- Fine-tuned EfficientNetB0 with data augmentation and class balancing, achieving **84% test accuracy**.
- Deployed the trained model using Streamlit for real-time image inference and probability visualization.

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

- Developed ML web app to predict land prices/sq.ft. in Bangalore using Linear Regression with real data. Achieved **R² score of 0.996** and RMSE of **31,979**.
- 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
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Flask-based Machine Learning Web Application: [Project Demo Link](#)

- Developed a web-based ML tool to analyze laptop health using HWInfo sensor data.
- 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. Trained a Random Forest classifier and generated automated PDF diagnostic reports

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