

# Abhishek Jha

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Passionate about Machine Learning and Deep Learning (ANN, CNN, RNN) with strong skills in building AI-driven applications. Pursuing B.S. in Data Science and Applications at IIT Madras, with a keen interest in data analysis, model development, and real-world AI solutions.

## Education

<b>Indian Institute of Technology, Madras</b> Bachelor of Science - Data Science and Applications	<b>Chennai, Tamil Nadu</b> Sep 2023 - Present
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## Key Skills

**Programming Languages:** Python, SQL, Java Script, HTML5, CSS3  
**AI/ML Libraries:** Scikit-learn, XGBoost, Hugging Face, Pandas, NumPy, Matplotlib, Seaborn, Plotly  
**AI/ML Frameworks:** TensorFlow, Keras, PyTorch, LangChain, LangGraph, CrewAI, VectorDB  
**NLP Frameworks & Libraries:** NLP, Text-Processing, Hugging Face, LangChain  
**Web Dev Frameworks:** React.js, Vue.js, Streamlit, Flask  
**Tools:** OpenAI API, Jupyter Notebook, Google Colab, VS Code, Git, Github, Docker, FastAPI,AWS, Postman, PostgreSQL

## Professional Experience

<b>AtliQ Technology</b> Data Scientist (Internship)	<b>Virtual</b> Aug 2025 - Present
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- Gained hands-on experience with data cleaning, visualization, and predictive modeling as part of the virtual internship projects.

**Skills:** Data Analysis, Machine Learning, Deep Learning, GenAI, NLP, Agentic AI

## Projects

<b>Fresh or Spoiled Fruits Classification (CNN) - Deep Learning</b> <a href="#">Project Link</a> <a href="#">Code</a> [Python, TensorFlow, CNN, Data Augmentation, Hugging Face, Fine tune, Resnet50 ]	Aug 2025 - Aug 2025
• Built and trained a deep Convolutional Neural Network (CNN) to classify dog and cat images using the Kaggle dataset.	
<b>Engage2Value: From Clicks to Conversions - Machine Learning</b> <a href="#">Project Link</a> [Python, Kaggle, Classification, Pandas, Scikit-learn, Xgboost, Feature Engineering]	Aug 2025 - Sep 2025
• The competition aims to predict a customer's purchase value using their multi-session digital interactions, including browser, device, source, and location data. Participants must model these behaviors to estimate purchase potential, supporting better marketing and engagement strategies.	
<b>Customer Churn Prediction (ANN) - Deep Learning</b> <a href="#">Project Link</a> <a href="#">Code</a> [Python, TensorFlow, Keras, ANN Classification, Pandas, Scikit-learn]	Jul 2025 - Jul 2025
• Developed end-to-end customer churn prediction systems using Artificial Neural Networks.	
<b>Learn and Test Yourself - Gen AI</b> <a href="#">Project Link</a> <a href="#">Code</a> [Python, Streamlit, OpenAI API, LangChain, Parallel Chains]	Jun 2025 - Jun 2025
• Automatically creates comprehensive notes and quiz questions from any given topic.	
<b>Sentiment Responder - NLP</b> <a href="#">Project Link</a> <a href="#">Code</a> [Python, Streamlit, OpenAI API, LangChain, NLP, Conditional Chains]	Jun 2025 - Jun 2025
• Sentiment analysis and response from user reviews using advanced NLP techniques.	

## Certifications

- **Foundation Certificate (1st Year) - IIT Madras**  
Issued on: May 2024 [Certification Link](#)
- **Deep Learning: Beginner to Advanced - Code Basics**  
Issued on: Aug 2025 [Certification Link](#)
- **Advance Certificate in Machine Learning and Data Science - IIT Madras**  
Issued on: Jul 2025 [Certification Link](#)