

# Nishanth Gadey

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## SUMMARY

AI and ML enthusiast with hands-on experience in Generative AI, Deep Learning, Machine Learning, and data-driven projects, aiming to innovate in the tech space. Experienced in working with AI models and exploring their real-world applications.

## EDUCATION

**BTech in CSE – AI & ML**  
VIT-AP University, Amaravathi, India

**July 2021 - May 2025**  
CGPA – 9.00

## EXPERIENCE

### Tripsaverz | AI Intern

**July 2024 – Oct 2024**

- Developed and implemented AI-driven features to enhance user experience and optimize travel booking processes.
- Idea development for AI-driven features in JSON automation and Trip Planner projects.
- Collaborated with the development team on code generation, testing, and debugging for product enhancements.
- Leveraged LLMs to maximize user savings and deliver personalized travel recommendations.

**Technology Used:** Python, LangChain, Django

## PUBLICATIONS

- Conference Paper:** “An Artificial Intelligence based Attendance Monitoring System for Malpractice Control” presented at MAI 2023 conference by NIT Patna
- Book Chapter:** “Enhancing 5G and IoT network security: A multi-model DL approach for attack classification”
- Patent:** "A System and a Method for Detection and Prevention of Attacks in IOT Networks"

## CERTIFICATIONS

- **Developing Generative AI Applications**, edX, IBM, 2024
- **Neural Networks and Deep Learning**, DeepLearning.AI, Coursera, 2024
- **Introducing Generative AI with AWS**, Udacity, 2024
- **Data Mining**, NPTEL, Gold Badge – Top5%, 2024
- **The Joy of Computing using Python**, NPTEL, Gold Badge - Top2%, 2023






## SKILLS

**Programming & AI Tools:** Python, TensorFlow, PyTorch, Scikit-Learn, LangChain, LlamaIndex

**ML & DL Expertise:** Machine Learning, Deep Learning, NLP (Transformers, Text Preprocessing), Generative AI (LLMs)

**Data & Modeling:** Data Preprocessing, Transfer Learning, Model Evaluation, Boosting Classifiers, GANs

## PROJECTS

- Alzheimer MRI Scan Brain Disease Classification using ResNet-18 | 2024**   
Developed a classification model using proposed SEResNet-Mix architecture, achieving 99.02% F1-score on balancing imbalanced Alzheimer MRI dataset, enhancing early detection of brain disease through image analysis.
- Blog-Post-Generator-Llama2 | 2024**   
Built a blog post generator that allows users to input a topic, specify length, and target audience, automatically generating content using LangChain and Llama2 through a Streamlit interface.
- LLM Study App | 2023**   
Developed a learning tool using the Llama2-70B-Chat Model with RAG approach for PDF-based question answering, YouTube video summarization, and generating quizzes with MCQs. Enabled accurate responses and knowledge testing features.
- CIC 2023 dataset based IOT attack classification using Hybrid Deep Learning model | 2023**   
Engineered a Hybrid Deep Learning model to classify attacks using the CIC 2023 IoT original attacks dataset, achieving high accuracy of 98.45%, and enhancing security measures.
- Credit Card Offer Acceptance Prediction with Boosting and Bagging classifiers | 2023**   
Implemented and optimized machine learning algorithms to predict credit card offer acceptance based on bank user data, achieving a highest accuracy of 95.14%, which improved targeting of potential customers effectively.

## ACHIEVEMENTS

- Advanced to the round 2 of ML Hackathon 2K23 at Vishnu Institute of Technology, Bhimavaram
- Earned a coveted spot in the Amazon ML Summer School 2024