# **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.

#### **EXPERIENCE**

### Tripsaverz | Al 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

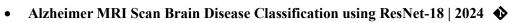
#### **SKILLS**

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 (7)



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