

Divyasree Peddadevara

ECE Graduate, 2020-2024 (IIIT), Andhra Pradesh

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LinkedIn

GitHub

Objective

Aspiring to secure a role in Data Analytics, Machine Learning and Artificial Intelligence that leverages my expertise in data-driven problem-solving, predictive modeling, and end-to-end project implementation. Dedicated to contributing impactful solutions and advancing organizational goals through innovative technologies.

Experience

Analyst at The Binary Holdings Bengaluru, Karnataka Feb 2024 - Present

- The Binary Holdings (TBH) is a Web3 infrastructure provider focused on integrating blockchain into telecommunications. The OneWave app rewards users with \$BNRY tokens for engagement activities like gaming and content interaction.
- Tracked and analyzed user activity on the OneWave platform, including time spent, interaction frequency, and content preferences. These insights helped enhance platform features and improve user experience.
- Utilized Power BI, Python, and Excel to extract, process, and visualize user data, enabling the company to identify trends, monitor token usage, and make data-driven decisions for user retention.
- Provided actionable insights on user behavior, helping OneWave attract new clients, form strategic partnerships, and refine content strategies to maximize user engagement and participation.

Data Science Intern at Innomatics Research Labs Hyderabad, Telangana Jan 2024 - Apr 2024

- Conducted **EDA** on AMCAT data, uncovering trends and key relationships to refine hiring strategies and optimize recruitment processes.
- Built an **LSTM** sentiment analysis model on Flipkart reviews (87% accuracy), deploying on **AWS** with **MLflow**, enhancing efficiency by 80%.
- Led a **Generative AI** search engine project using LLMs, achieving 75% accuracy, and improved **CI/CD** pipelines, reducing manual processes by 90%.

Machine Learning and Deep Learning Intern IIIT Nuzvid April 2023 - Sep 2023

- Enhanced prediction of honey bee behavior by integrating advanced models such as **CNNs**, **RNNs**, and **transformer**, improving the accuracy of behavioral predictions.
- Improved model efficiency by 80% through refined training methods, enabling faster, more accurate predictions of honey bee behavior.
- Achieved 90% prediction accuracy, with potential applications in fields such as agriculture, robotics, autonomous navigation, and missile technology, specifically for real-time trajectory mapping.

Projects

- Chatbot in Dialogflow for Food Delivery System (Dialogflow, Python, FastAPI, NLP, MySQL):**
 - Developed a chatbot using Dialogflow and FastAPI, focusing on intents, entities, and natural user interactions.
 - Integrated MySQL database for real-time order management and automated responses.
- Heart Attack Prediction System with Machine Learning on AWS Cloud (AWS, EDA, Python, Machine learning, Arduino):**
 - Built a machine learning platform on AWS to analyze real-time sensor data for heart abnormality detection.
 - Optimized workflows for faster predictions and ensured scalability with AWS infrastructure.
- End to End Cricket Team Selection and Performance Analysis (Scraping, Python, PowerBi, Ms-Excel):**
 - Scraped player data from ESPNcricinfo using Python to analyze roles and key performance metrics.
 - Developed an interactive Power BI dashboard to visualize trends and optimize T20 World Cup team selection.
- End to End Crop Recommendation System Using Machine Learning (Machine Learning, EDA, Python, AWS, Flask):**
 - Built a Crop Recommendation System using Flask and machine learning to suggest crops based on soil, weather, and environment.
 - Developed a web app for real-time predictions, promoting sustainable farming practices.

Education

Rajiv Gandhi University of Knowledge Technologies (IIIT, Nuzvid) June 2020 - Apr 2024
B.Tech in Electronics and Communication Engineering CGPA: 8.5

Rajiv Gandhi University of Knowledge Technologies June 2018 - Apr 2020
Pre-University Course Education CGPA: 8.2

Z.P.H. School, Sompalle June 2017 - Apr 2018
10th grade CGPA: 10

Skills

Technical Skills: Python, MySQL, AWS, Neural Networks, Statistics, Microsoft Excel, PowerBI, Flask, Machine Learning, Deep Learning, Artificial Intelligence, NLP, Data Analysis, Data Science, Data Visualisation, LLM

Soft Skills: Leadership, Workflow Management, Teamwork, Effective Communication, Problem Solving, Attention to details, Public speaking, Presentation skills

Certifications and Courses

- Data Analytics and Visualization Job Simulation by Accenture** (7/2024 – 7/2024)
- Mathematics for Data Science and Machine Learning Specialization** (11/2023 – 12/2023)
- Machine Learning Specialization by Andrew Ng** (09/2023 – 10/2023)
- Participated in 6 hours Hackathon on Building Movie Recommendation System by Innomatics Research Labs.