

Bindu Athyam

binduathyam@gmail.com 9100432255 | JangaReddyGudam, West Godavari, AP
Linkedin | GitHub

SUMMARY

Motivated and detail-oriented Data Analyst fresher with knowledge in Python, SQL, Data Analysis, and Machine Learning fundamentals. Skilled in data cleaning, visualization, and extracting insights using tools such as Pandas, NumPy, and Matplotlib. Passionate about solving real-world problems using data and eager to contribute to data-driven decision-making.

EDUCATION

Bharath Institute of Higher Education and research
Computer Science- BTech
CGPA: 9.2

Chennai, Tamil Nadu
September/2022 - March/2026

Vikas College
MPC Intermediate
Percentage: 90%
Pratiba(E.M) High School
Degree in 10th Standard
GPA: 10.0

JangaReddyGudam, AP
June/2020 - March/2022

JangaReddyGudam, AP
June/2019 - March/2020

SKILLS

- Programming Languages:** Python, SQL, java
- Data Analysis Tools & Libraries:** Pandas, NumPy, Matplotlib
- Machine Learning (Basic):** KNN, Supervised Learning
- Core Concepts:** Data Cleaning, Data Visualization, Data Interpretation, Problem Solving

PROJECTS

AI-Based Voice Assistant

Sep 2024 – Nov 2024

Technologies: Python, Flask, pyttsx3, NewsAPI

- Built a web-based voice assistant with speech-to-text and text-to-speech.
- Integrated real-time news and weather updates using APIs

Retail Product Search & Recommendation System

Sep 2024 – Oct 2024

Technologies: Python, KNN Algorithm

- Developed a product search and recommendation system for supermarkets.
- Provided real-time availability and personalized recommendations

Speech-Driven Secure Banking System with Voice Biometrics

Jan 2026 – April 2026

Technologies: Python, Flask, React Native, Whisper, Librosa

- Developed a voice-controlled UPI banking assistant to perform transactions using speech commands
- Implemented speech-to-text using Whisper and text-to-speech for seamless voice interaction
- Designed backend APIs using Flask to process user commands and simulate payment operations
- Integrated voice authentication using MFCC features and PIN verification for secure transactions

Predictive Maintenance for Manufacturing using Machine Learning

May 2026-june 2026

Technologies: Python, Pandas, NumPy, Scikit-learn, Machine Learning, Streamlit, Matplotlib, SQL

- Developed a predictive maintenance system to forecast machine failures and reduce downtime.
- Performed data preprocessing and EDA using the NASA/AI4I dataset.
- Built classification models for failure prediction and machine health monitoring.
- Created a Streamlit dashboard to visualize predictions and insights.

CERTIFICATIONS

Data Analytics - VodafoneIdea limited (VOIS)

- Learned fundamentals of data analysis including data cleaning, visualization, and interpretation
- Worked with real-world datasets to extract insights and support decision-making

Samsung Innovation Campus – [Samsung\(Collaboration with NSIC\)](#)

- Completed training focused on emerging technologies and practical skill development
- Developed problem-solving and analytical thinking through hands-on projects

GenAI Analytics Program – [Tata](#)

- Learned basics of Generative AI and its applications in data analytics
- Worked on AI-driven solutions and understanding of modern AI tools

Data Analytics Program – [Deloitte](#)

- Gained practical knowledge of data analysis, business insights, and reporting
- Learned how to analyze datasets and present findings in a structured way

Digital Skills Readiness Program – Wipro

- Developed foundational skills in programming, communication, and problem-solving
- Improved understanding of software development practices and workplace readiness