

Akash Madasu

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PROFESSIONAL SUMMARY

AI Engineer in training with hands-on experience in Python, Machine Learning, NLP, and Generative AI. Built a deep learning-based mood detection system for song recommendations. Passionate about developing intelligent, data-driven solutions using modern AI tools and techniques.

EDUCATION

Jyothishmathi Institute of Technology and Science

2019 – 2023

Bachelor of Technology, Computer Science Engineering (CSE)

CGPA: 6.6

TECHNICAL SKILLS

Languages: Python, SQL

Libraries & Frameworks: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, PyTorch

AI/ML: Data Preprocessing, EDA, Supervised/Unsupervised Learning, Model Evaluation, Cross-validation

Tools/Platforms: Jupyter, Google Colab, Git, GitHub, VS Code, MySQL, Power BI

Others: SAP - FICO

TRAININGS

AI Engineer – Medha Edu Tech

May 2025 – Present

Advanced training in AI Engineering

- Topics: Python, NumPy, Pandas, MySQL, Seaborn, Streamlit, Tableau, Stats, ML, NLP, LLMs, Gen AI, Agentic AI

Python Full Stack Developer – Nxtwave

Jun 2022

Full stack development training

- Learned HTML, CSS, JS, React, Node.js, Express, REST APIs, and SQLite

PROJECTS

Songs Recommendation via Facial Expressions | Python, OpenCV, TensorFlow, CNN

- Built an AI-based music recommender that detects facial emotions using deep learning.
- Used CNNs for facial recognition and mapped moods to playlists.

Nutrify – Smart Food & Nutrition Tracker | React, Node, Express, MongoDB

- Created a full-stack app to log meals and track nutrition.
- Secure authentication with JWT and bcrypt. Clean, responsive UI.

Online Banking System | GitHub

- Created an online banking system with user registration, login, and transaction features.

CERTIFICATIONS

- Python for Data Science – IBM [View Credential]

ACHIEVEMENTS

- Solved over 100+ coding problems on Hackerrank and LeetCode platforms
- Successfully completed foundational training in Data Analysis