ADAPA MOHAN

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GitHub Portfolio LeetCode

Career Objective

Motivated 3rd-year B.Tech student in Computer Science and Engineering with a specialization in AI & ML, with a strong passion for Artificial Intelligence and Machine Learning. Seeking opportunities to apply technical skills in real-world projects while building intelligent data-driven systems.

Education

- Bachelor of Technology in Computer Science Engineering - AI & ML, Anurag University (2023–2027)
  CGPA: 8.01
- Intermediate, Trividyaa Junior College (2021–2023) — Percentage: 94%
- SSC, Little Flower High School — CGPA: 10

Technical Skills

- **Programming Languages**: Python, Java, C
- **Web Development**: HTML, CSS, Bootstrap, ReactJS, FastAPI, API Integration
- **Databases**: PostgreSQL (Supabase), MySQL
- **Machine Learning**: Scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib, OpenCV
- **Tools & Operating Systems**: VS Code, Git, GitHub, Jupyter Notebook, Docker
- **Computer Science Fundamentals**: Operating Systems (OS), Computer Networks (CN), Database Management Systems (DBMS), Object-Oriented Programming (OOP), Data Structures and Algorithms
- **Soft Skills**: Teamwork & Collaboration, Adaptability, Critical Thinking, Time Management, Creativity & Innovation

Projects

- **VizCraft: Intelligent Data Visualization Builder** Developed a full-stack platform that converts structured datasets into interactive visualizations. Implemented backend schema detection and visualization compatibility validation. Built workflows for dataset upload, chart configuration, and downloadable visualizations.
  Technologies: Python, FastAPI, Pandas, NumPy, React.js, Matplotlib, Plotly, REST APIs, Git
- **Sign Language Translator (Computer Vision)** Developed a CNN-based image classification model to recognize hand gestures using the Sign Language MNIST dataset. Integrated OpenCV for real-time webcam inference and prediction.
  Technologies: Python, TensorFlow/Keras, Flask, OpenCV, NumPy, Pandas, Matplotlib
- **Bank Churn Prediction Model — CodSoft Internship** Developed a machine learning model to predict customer churn using demographic and financial features. Performed exploratory data analysis, preprocessing, and feature engineering to improve prediction performance.
  Technologies: Python, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn

Experience

Machine Learning Intern — CodSoft (Remote) May 2025 – June 2025

- Developed and applied machine learning models on real-world datasets
- Built end-to-end ML pipelines including preprocessing, training, and evaluation
- Implemented classification models and conducted data analysis to derive insights

Certification Courses

- Cisco — Introduction to Cybersecurity
- Great Learning — Certification in Java
- Udemy — Certification in Python
- Udemy — Certification in Machine Learning
- HackerRank — SQL (Basic)
- Google — Gemini for Google Workspace Certification

Achievements

- **Finalist — College Tech Expo 2024**: Selected among top-performing teams for presenting a CNN-based Sign Language Converter
- **Solved 100+ coding problems on LeetCode** focusing on data structures and algorithms

Interests

- Applied Machine Learning and Generative AI
- Data Visualization and User-centric Analytics Tools
- Backend Development and System Design
- Learning new technologies and building practical projects