

# HEMANTH KUTTUBOYINA

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## OBJECTIVE

Results-driven Computer Science and Engineering student specializing in Artificial Intelligence and Machine Learning and Data Science, with proven expertise in full-stack development, scalable system design, and data-driven solutions. Skilled in translating complex algorithms into real-world applications, from distributed architectures to intelligent recommendation engines. Passionate about leveraging data science, optimization techniques, and modern software engineering to build impactful, high-performance systems. Recognized for mentoring peers, contributing to open-source projects, and delivering industry-grade solutions through internships and competitive programming achievements.

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript/TypeScript, SQL

**ML/DS:** Machine Learning, Data Preprocessing, Scikit-learn, Pandas, NumPy, Matplotlib

**Core CS:** Data Structures, Algorithms, OOP, Systems Design

**Frontend:** React, HTML5, CSS3, Next.js

**Backend:** Node.js, Appwrite

**Databases:** MySQL, MongoDB

## PROFESSIONAL EXPERIENCE

### Unified Mentor

### Full Stack Developer Intern

May – July 2024

- Developed a mini store application with product listing and detail pages.
- Built responsive UI using **React + Tailwind CSS** and integrated backend APIs.
- Implemented CRUD operations for inventory data handling with **Node.js + MongoDB**.

## PROJECTS

### Distributed URL Shortener

[\[GitHub\]](#)

Designed a distributed URL shortener implemented with the store in the original url in the api and generating a short id link then redirect to the original url when the user opens the link. Secured with JWT/OAuth 2.0 and implemented fault-tolerant patterns.

### ShareHub – File Sharing Platform

[\[GitHub\]](#)

Built a React + Appwrite platform for username-only file sharing without passwords. Supports instant multi-user access for uploads/downloads, enabling classroom/university-wide collaboration, fast access, and user-friendly.

### Movie Recommendation System

[\[GitHub\]](#)

Implemented a content-based recommender using cosine similarity on movie metadata (tags, crew, genres, descriptions). Built a Flask-based single-page app for quick personalized suggestions with Data Science and Machine Learning.

## EDUCATION

### B.Tech in Computer Science & Engineering (AI/ML)

2023–2026

Andhra Loyola Institute of Engineering & Technology

CGPA: **8.2/10**

### Diploma in Electronics & Communication Engineering

2020–2023

Bapatla Engineering College

Score: **81.4%** (Top 5%)

## CERTIFICATIONS & ACHIEVEMENTS

- **Python-Certified** (2024)
- **Hackerrank - Problem solving**
- Top **200** in leetcode biweekly 2024 (**participants**)

## LEADERSHIP & COMMUNITY INVOLVEMENT

- Mentored **50+** students in full-stack and backend development.