

Maturi Ram Tej

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SUMMARY

3rd-year B-Tech student in Computer Science Engineering with AI and ML at SRM AP University. Passionate about applying technology to solve real-world problems, with strong programming, analytical and problem-solving skills. Skilled in collaboration, presenting solutions, and contributing to impactful projects. Actively seeking internship opportunities to gain practical industry experience and deliver results in a team-oriented environment.

EDUCATION

SRM University AP <i>B-Tech - Computer Science Engineering (AI and ML)</i>	2023 - Present CGPA: 8.10
Narayana Junior College <i>Intermediate (MPC)</i>	2021 - 2023 Percentage: 93.3
Narayana E Techno School <i>10th Grade</i>	2020 - 2021 CGPA: 10.0

TECHNICAL SKILLS

Programming Languages: C, C++, R, Python, Java, Data Structures and Algorithms (DSA)
Domains: Machine Learning, Deep Learning
Database Management: SQL, DBMS
Web Development: HTML, CSS, JavaScript, React.js
Soft Skills: Collaboration, Leadership, Public Speaking, Problem-solving

PROJECTS

Species Distribution Model - SDM <i>Internship Project</i>	2025 R
Predicted potential distribution of species under current and future climate scenarios using MaxEnt.	
Performed spatial data preprocessing and analysis to support project objectives.	
Crop Recommendation System <i>Machine Learning Project</i>	2024 Python, Scikit-Learn
Developed a machine learning model to recommend the most suitable crop based on soil nutrients (N, P, K), pH, temperature, humidity, and rainfall.	
Performed data preprocessing, feature engineering, and implemented ML algorithms such as Random Forest, Decision Tree, and SVM.	
Evaluated model performance using accuracy and classification reports, selecting the best model through hyperparameter tuning.	
Aura – Music Player Website <i>Frontend Project</i>	2025 React.js, db.json API
Developed a dynamic music player website with features such as play, pause, next/previous track, and playlist browsing.	
Used db.json as a mock REST API to store and fetch song metadata, enabling a fast and realistic backend simulation.	
Implemented responsive UI components in React.js and optimized state management for smooth audio playback.	
Bug RCA Assistant <i>Python Project</i>	2025 Python, Gemini API
Built an AI tool to extract and translate Japanese comments and generate concise summaries.	
Applied LLM-based translation and summarization to improve workflow efficiency.	

Facial Emotion Recognition System

Machine Learning Project

2024
Python, CNN

Developed a CNN-based model to classify facial expressions into emotion categories.

Implemented data augmentation and tuning to enhance model accuracy.

YouTube Title Transcript Relevancy Check

Machine Learning Project

2024
Python, YouTube API

Developed a model to evaluate relevancy between video titles and transcripts using supervised learning.

Collected and processed YouTube data to generate relevancy scores.

2D Game Development

Python Project

2023
Python

Developed a 2D game using Python libraries (Pygame, Arcade, NumPy).

Library Management System

DBMS Project

2023
SQL

Built a Database for library access, search, and resource management.

EXPERIENCE

Internship – Center for Drone Technology, SRM University

May 2025 – July 2025

- Worked on a remote sensing-based species distribution modeling (SDM) project using MaxEnt and climate data.
- Conducted spatial data preprocessing and analysis, producing actionable insights.
- Created thematic maps using ArcMap.

Hackathon – Repo Reboot (Top 10 National Rank)

2025

- Secured Top 10 position in a 48-hour national-level online hackathon conducted by i.Fest, DA-IICT, Gandhinagar.
- Developed a prototype website for Rupiya.app's problem statement with structured planning and strong presentation delivery.
- Improved skills in team collaboration, time management, and product pitching.

Hack MSC 2.0 Hackathon – Participant

2025

- Participated in a national-level Hackathon, developing and presenting a project idea.

CO-CURRICULAR ACTIVITIES

- Convenor (President) of the History and Heritage Club – led events and improved member engagement.
- Delivered seminars, enhancing public speaking and event management skills.
- Secured first prize in Chess at school level.

CERTIFICATIONS

- Career Essentials in Generative AI – Microsoft & LinkedIn
- Oracle – AI Certified Foundations Associate
- HackerRank – Python Certificate

LANGUAGES

- Telugu – Native
- English – Fluent