

Jangamrajupalli Venkata Mahitha

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Professional Summary

- B.Tech Computer Science undergraduate (Class of 2028) at IIIT Pune (GPA: 8.61) with strong foundations in Data Structures, Algorithms, and core Computer Science subjects.
- Skilled in building full-stack web applications using the MERN stack and Python-based Machine Learning pipelines with FastAPI and Scikit-learn.
- Active competitive programmer with 350+ DSA problems solved across LeetCode and GeeksforGeeks.
- Passionate about scalable software development, open-source contributions, agricultural technology, and applied Machine Learning.

Education

Degree / Exam	Institution	Year	Score
B.Tech, Computer Science and Engineering	Indian Institute of Information Technology (IIIT), Pune	Expected 2028	GPA: 8.61
Intermediate (Class XII)	Sri Vivekananda Junior College, Anantapur	2022 – 2024	97.6%
Class X (SSC)	Sri Chaitanya School, Anantapur	2022	95.83%

Projects

SmartAgri – Smart Farming System

→ [GitHub](#)

React.js, FastAPI, Python, Scikit-Learn, Pandas, OpenWeatherMap API

- Developed a full-stack AI-powered platform to support Indian farmers with intelligent recommendations across pre-, during-, and post-cultivation stages.
- Implemented a location-based crop recommendation engine using Machine Learning models trained on soil and climate parameters.
- Built a real-time farm safety monitoring module with weather-based analytics and geofenced safe-zone tracking.
- Created a Government Schemes Hub that surfaces relevant agricultural subsidies and policies based on farmer profile and location.
- Designed an interactive React dashboard integrated with FastAPI services for live visualization and farm insights.

Hotel Booking Platform

→ [GitHub](#)

MongoDB, Express.js, React.js, Node.js (MERN Stack)

- Built a full-stack hotel booking application with JWT-based authentication and dynamic room reservation management.
- Designed RESTful APIs for booking operations, user management, and hotel listing services.
- Developed a responsive React frontend seamlessly integrated with a Node.js and Express backend.
- Utilized MongoDB for efficient storage and retrieval of booking and user data.

Restaurant Rating Analysis

Python, NLP, Machine Learning

- Performed sentiment analysis on restaurant reviews using NLP techniques such as tokenization, stopword removal, and TF-IDF vectorization.
- Trained and evaluated classification models for rating prediction using accuracy, precision, recall, and confusion matrix metrics.

Predictive Modeling using Machine Learning

→ [GitHub](#)

- Implemented regression and classification pipelines including Linear Regression, Decision Trees, and Random Forest algorithms.

- Evaluated model performance on real-world datasets and documented comparative analysis of results.

Extracurricular Activities & Clubs

Quantum Math Club – IIIT Pune

Content Writer & Doubt Solver

- Create and publish educational content on advanced mathematical and quantitative topics.
- Mentor peers by solving doubts related to mathematics, logic, and algorithmic problem solving.

Coding Clubs – Active Member

- Participate in competitive programming contests, hackathons, and collaborative technical projects.
- Qualified Smart India Hackathon (Internal Round) and Mumbai Hacks Hackathon through team-based problem solving and innovation.

Technical Skills

Languages: C, C++, Python, Java, JavaScript, HTML, CSS

Frameworks & Libraries: React.js, Node.js, Express.js, FastAPI, Scikit-learn, Pandas, NumPy

Databases: MongoDB, MySQL

Core CS: Data Structures & Algorithms, Operating Systems, Computer Networks, DBMS, OOP

Tools & DevOps: Git, GitHub, VS Code, Vite, Docker

Achievements & Open Source

- Solved 350+ Data Structures and Algorithms problems across LeetCode and GeeksforGeeks.
- Qualified Smart India Hackathon (Internal Round) by designing and presenting an innovative technology solution.
- Qualified Mumbai Hacks Hackathon and collaborated in a cross-functional team to deliver a working prototype.
- Open-source contributor for GirlScript Summer of Code (GSSoC) 2026 and Social Summer of Code (SSOC) 2026, contributing bug fixes, feature enhancements, and code improvements.

Languages

English — Telugu — Hindi