

Akula Shivakumar

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Education

JNTUH Manthani , B.Tech in Computer Science & Engineering (AIML)	Sept 2023 – Present
<ul style="list-style-type: none">• CPI: 80.0/100• Coursework: Artificial Intelligence, Machine Learning, Data Structures	
Govt Polytechnic Siddipet , Diploma in Computer Science & Engineering	2020 – 2023
<ul style="list-style-type: none">• CPI: 95.0/100• Coursework: Programming Fundamentals, Database Systems, Operating Systems	
TS Model School , SSC	2019 – 2020
<ul style="list-style-type: none">• CPI: 100.0/100	

Experience

Freelance Software Developer , Remote	June 2023 – Present
<ul style="list-style-type: none">• Developed 5 web applications, including YashShiva and OrganicFarm, using Python, Django, MySQL, HTML, CSS, and JavaScript• Built a desktop application for college student result processing, improving response time by 60% for students and administrators• Designed and implemented "SURAKSHA!", an IoT-based safety alert system integrating hardware (buttons, LED, speaker) and software for real-time location alerts• Currently developing 3 web applications for healthcare, fashion e-commerce, and safety, leveraging Django and IoT integration	

Projects

Voice Assistant [Diploma Project]	Mar 2022 – Jun 2022
<ul style="list-style-type: none">• Developed a smart voice assistant with real-time query response and task execution using speech-to-text and text-to-speech.• Technologies Used: HTML, CSS, JavaScript	
GNANOW E-Commerce Platform [Client Project]	yashshiva.pythonanywhere.com
<ul style="list-style-type: none">• Built a modern e-commerce web application for GNANOW clothing brand with features like product listings and payment integration.• Technologies Used: Django (Python), MySQL, HTML, CSS, JavaScript, Razorpay	
AiraNaturals Organic Products Platform [Client Project]	organic-farm.pythonanywhere.com
<ul style="list-style-type: none">• Developed a web application for AiraNaturals to sell organic products like honey and ghee, with a responsive user interface.• Technologies Used: Django (Python), MySQL, HTML, CSS, JavaScript	
SMARTMART Online Ordering Platform	May 2024
<ul style="list-style-type: none">• Created an e-commerce platform with shop locator and "Cash on Collect" payment, enhancing local store accessibility.• Technologies Used: Django (Python), MySQL, HTML, CSS, JavaScript, Google Maps API, Razorpay	
SURAKSHA! Emergency Location Sharing [IoT Project]	Aug 2024
<ul style="list-style-type: none">• Designed an IoT-based safety system for real-time location sharing via a web platform and hardware integration.	

- Technologies Used: Django (Python), MySQL, HTML, CSS, Raspberry Pi

Result Portal Standalone Application [College Project]

Aug 2024

- Built a desktop app to automate student result processing, reducing manual effort for college exam branch.
- Technologies Used: C#, JSON

Crop Recommendation ML System [Mini-Project]

Jul 2024

- Developed an ML model for crop recommendations based on soil, temperature, and rainfall, achieving 90% accuracy with RandomForestClassifier.
- Technologies Used: Python, RandomForestClassifier, DecisionTreeClassifier

Wall-E Robot [College Fest Project]

2025

- Led technical design and development of an interactive 'Wall-E' robot for college fest, capable of conversing, answering questions, singing, playing games, and streaming music.
- Technologies Used: Raspberry Pi, Python, HTML, CSS, JavaScript, Servo Motors, Speakers

OctaTangleCare Healthcare Platform

In Progress

- Developing a healthcare web app with features like patient-donor networking and resource allocation (e.g., medicines, funds), SaveTheSavior, Care-Coins, Care-Storage, MessageGuard, etc.(8-unique Features)
- Technologies Used: Django (Python), MySQL, HTML, CSS, JavaScript

JUSTONECOLOR E-Commerce Platform [Client Project]

In Progress

- Building a web application for a client's business with modern e-commerce features and responsive design.
- Technologies Used: Django (Python), MySQL, HTML, CSS, JavaScript

Skills

Full Stack Development:

- **Frontend:** HTML, CSS, JavaScript.
- **Backend:** Python, Django Framework,
- **Database:** MySQL

Desktop Application: C#.

Other Languages: C, Java, C#, Basics DSA, Basics of AI, ML, Data Science Libraries, NLP and Pattern Recognition Algorithms.

Tools and IDEs: Visual Studio 2022, VS Code, PyCharm, Jupyter Notebook, Anaconda, Google Colab

Version Control: Git, GitHub

Soft Skills: Communication, Design Thinking, Solution Planning

Positions of Responsibility & Extracurricular Achievements

Mathematics Competition Winner – District Level

22 December 2020

- Secured first place in a district-level mathematics competition, showcasing strong analytical and problem-solving skills.

Team Lead – Multiple Projects

2022 – Present

- Led development teams across all projects, managing tasks, coordinating workflows, and ensuring high-quality, timely deliverables.

Technical Coordinator – AIML Workshop

2024

- Managed technical setup and support for an AI and Machine Learning workshop, facilitating smooth execution and assisting participants with technical challenges.

Technical Coordinator – College Fest

2025

- Coordinated technical development of 'Wall-E' robot, enabling features like real-time conversation, answering queries, singing English songs, playing games, and streaming online music.