

# AKSHITHA VANGARI

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## Python Full-Stack Developer | Django & Web Development

Aspiring Software Developer with hands-on experience in Python, Django, and full-stack web development. Skilled in designing efficient solutions, building scalable web applications, and implementing secure backend workflows. Strong foundation in databases, algorithms, and software development processes. Passionate about learning new technologies to deliver innovative software solutions.

## EDUCATIONAL DETAILS

**Master of Computer Applications (MCA)**- Raja Bahadur Venkata Rama Reddy Institute of Technology, Hyderabad. Expected Graduation: 2025

SGPA (SEM III) : 8.75

**Bachelor of Science (B.Sc.)** - Sri Adarsh Degree College, Hyderabad, 2023.

Major: Mathematics, Physics, Computer Science.

CGPA: 9.06

**TSBIE XII** - Sri Adarsh Junior and Degree College, Hyderabad, 2020.

Major: Mathematics, Physics, Chemistry.

Percentage: 97.0%

**SSC X** - Sri Nalanda Grammar High School, Hyderabad, 2018.

GPA: 10.0

## TECHNICAL SKILLS

- Programming:** Python (Proficient), C (Advanced), C++ (Intermediate), Java (Intermediate)
- Backend Development:** Django (Python Framework)
- Frontend Development:** HTML, CSS, JavaScript
- Databases:** MySQL, SQL
- Tools & Others:** Git, Microsoft Office Suite

## PROJECTS

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### InternPe Internship Projects (Python Programming Intern | May–Jun 2024)

**Title:** PYTHON MINI PROJECTS (SNAKE GAME, DIGITAL CLOCK, TIC TAC TOE)

**Role:** Python Developer Intern – Individual Projects

**Responsibilities:**

- Developed mini projects including Snake Game (GUI), Digital Clock (GUI), and Tic Tac Toe (console) using Python and Tkinter.
- Implemented game logic, input validation, and turn-based functionality for Tic Tac Toe in the console.

- Improved program flow, error handling, and user interaction for a smoother gameplay experience.

## Academic Project | MCA (Apr – Jul 2025)

**Title:** DARKNET TRAFFIC ANALYSIS

**Role:** Full Stack Developer – Individual project

**Responsibilities:**

- I developed a Django-based web application to classify Onion Service Tor traffic using Machine Learning algorithms such as Logistic Regression, Decision Tree, and Random Forest.
- I designed and implemented user and admin modules for dataset visualization, model training, and prediction.
- I explored traffic obfuscation techniques (WTFPad) and analyzed their impact on service classification accuracy.
- I collaborated with teammates to integrate backend logic with trained ML models for real-time prediction.

## IBM Frontend Web Development Internship Project (Aug – Oct 2025)

**Title:** MOVIE REVIEW & RATING PLATFORM

**Role:** Frontend Developer – Individual Project (IBM Virtual Internship)

**Responsibilities:**

- I built an interactive movie review web platform using HTML, CSS, JavaScript, and the OMDB API.
- I integrated the OMDB API to fetch movie details dynamically and used Local Storage to store ratings and reviews.
- I focused on creating a responsive and visually appealing interface to enhance user experience.
- I implemented efficient data rendering for smooth browsing and real-time updates.

## Python Full Stack Projects

### 1. Title: AADHAAR MANAGEMENT SYSTEM

**Role:** Full Stack Developer – Individual Project

**Responsibilities:**

- I created a full-stack web application for Aadhaar registration and verification using Django and SQLite3.
- I implemented OTP authentication, QR code generation, and email verification for secure identity validation.
- I applied the MVC pattern to organize the data flow and improve maintainability.
- I focused on improving the user registration process through automated backend workflows.

## **2. Title: BANK MANAGEMENT SYSTEM**

**Role:** Full Stack Developer – Individual Project

**Responsibilities:**

- I developed a web-based banking system using Python, Django, and MySQL for managing customer accounts and transactions.
- I implemented user authentication, PIN verification, fund transfer, and transaction history functionalities.
- I followed the MVC architecture to maintain scalability, modularity, and security.
- I ensured smooth backend integration and efficient database operations.

## **CERTIFICATIONS**

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### **Infosys Pragati: Path to Future – Cohort 5**

**Infosys Springboard | Apr 2025 – Jul 2025**

- Successfully completed the cohort program by participating in assignments and professional development activities focused on career readiness, industry best practices, and skill enhancement.

## **EXTRA CURRICULAR ACTIVITIES & ACHIEVEMENTS**

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- Attended IIT Bombay industry sessions on AI-powered cybersecurity, autonomous navigation, medical imaging, predictive maintenance, and energy forecasting.
- Runner-up, Vedic Math Cricket Tournament (2015).
- Participant, National IT Quiz at Bankatlal Badruka College.