

THOTA ADVITH

Aspiring Software Engineer | Python Development | Data Analysis | Generative AI
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PROFESSIONAL SUMMARY

Final-year B.Tech Information Technology student with hands-on experience in Python, SQL, and full-stack web development using Flask. Skilled in building data-driven applications, cloud fundamentals (AWS/GCP/Azure), and generative AI tools. Google Cloud certified in Generative AI and Responsible AI practices, with proven ability to design, develop, and deploy end-to-end software solutions. Seeking to leverage strong problem-solving and analytical skills in an entry-level Software Engineer role.

EDUCATION

Mahatma Gandhi Institute of Technology, Hyderabad

2022 – 2026

Bachelor of Technology in Information Technology | CGPA: 7.88 / 10

TECHNICAL SKILLS

- **Programming Languages:** Python, C
- **Core CS Concepts:** Object-Oriented Programming (OOP), Data Structures & Algorithms (DSA)
- **Database:** SQL, MySQL
- **Cloud Fundamentals:** AWS, Google Cloud Platform (GCP), Microsoft Azure, API Deployment Concepts
- **Data Analysis & Visualization:** Power BI, Tableau, Prompt Engineering, Generative AI
- **Web Development:** Flask, HTML, CSS
- **Tools & Platforms:** Git, GitHub, VS Code

PROJECTS

Voice-Based Delivery System: Engineered a voice-enabled Flask application that lets non-literate users place delivery requests via speech; integrated Speech Recognition and gTTS for real-time voice processing and MySQL for automated data storage and response handling.

Farm to Forum – Rice Quality Prediction: Built an ML-based system using OpenCV and Scikit-learn to analyze rice grain images and IoT sensor data, predicting quality grades and pricing recommendations; stored results in MySQL for downstream analysis.

Blood Bank Management System: Developed a full-stack web application in Python/Flask/MySQL to manage donor and recipient records, track blood inventory in real time, and enable secure user authentication.

Online Chatbot Ticketing System for Museums: Designed and deployed a Flask-based chatbot to automate museum ticket booking, streamlining the end-to-end reservation workflow.

AgriVision – Smart Crop Recommendation System: Built an ML-based crop recommendation system using soil and climate data to predict the most suitable crops for higher agricultural yield.

CERTIFICATIONS

- Google Cloud – Generative AI Essentials & Responsible AI Practices
- Be10X – AI Tools Workshop Certificate (Practical applications of generative AI tools for productivity)
- Deloitte Australia – Cyber Job Simulation
- Tata – Data Visualisation: Empowering Business with Effective Insights Job Simulation
- Oracle Academy – Database Programming with SQL
- Cisco – Programming Essentials in Python (PCAP)
- Microsoft Azure – Cloud Fundamentals
- CompTIA Cloud+ (Intermediate) – Alison

ACHIEVEMENTS

- Smart Interviews – Smart Coder (Silver), 2025: Ranked 4,311 out of 44,523 nationally, demonstrating strong programming and problem-solving proficiency.
- Identified and reported multiple security vulnerabilities as a Bug Bounty Program member, strengthening skills in ethical hacking and penetration testing.

EXPERIENCE

Secure Hub MGIT — Member (Cybersecurity Club)

- Collaborated with a team of engineers to design and deploy secure, scalable cloud-based solutions using Python for client-facing applications.
- Participated in the club's Bug Bounty Program, identifying security vulnerabilities and applying ethical hacking techniques to improve system security.
- Applied Google Cloud certifications in AI principles and responsible AI practices to enhance the performance and reliability of team projects.