

# UMA MAHESHWARA RAO JAGADAM

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## PROFILE

Around 2 years of experience in Design, Development and Deployment of Python applications. Developed backend modules using Python on Django, Flask Web Framework using ORM models. Developed etl jobs in Python to extract and load data into various databases. Used Test driven approach for developing the application and Implemented the unit tests using Python Unit test framework. Worked on client-server architecture based enterprise application software in Python, Java. Worked on various applications using python integrated IDEs Eclipse, PyCharm, NetBeans and Eclipse. Experienced working with Python2.7/3 and their packages. Programming Languages: Python, C, C++, Java Shell scripting, Perl Python Libraries: Scikit- learn, Numpy, Scipy, Matplotlib, Pandas, Regression and Classification Algorithms

## TECHNICAL SKILLS

Languages: Python

Frameworks: Flask (Basic), HTML, CSS

Libraries: Pandas, NumPy, Matplotlib

Concepts: Machine Learning, Regression, Neural Networks, Data Visualization

Tools: Git, GitHub, VS Code

## PROJECTS

### Personal Portfolio Website

- Built a personal website using HTML and CSS, showcasing projects, resume, and a future Dharma-based AI chatbot.
- Planned backend integration using Python Flask.

### Hotel Management System (In Progress)

- Designing a full-stack property management system for bookings, customer info, and admin dashboard.
- Technologies: HTML, CSS, Flask, SQLite

### Machine Learning Regression Model

- Built a predictive model using real-world datasets.
- Technologies: Python, NumPy, Pandas, Matplotlib

## Neural Network AI Model

- Implemented a basic classification neural network to understand AI concepts.
- Technologies: Python, Pandas, Neural Networks

## EDUCATION

M.S. in Computer Science – Anderson University, SC (Expected Dec 2025)

Current GPA: 3.5 / 4.0

B.Tech in Computer Science – GITAM University, March 2023

Graduated with 85%

## CERTIFICATIONS

- HackerRank Certifications: Python (Basic), Problem-Solving (Basic & Intermediate), SQL (Basic)
- IBM Python Certification for Data Science Foundations

## EXPERIENCE

Python Intern (Oct 2022 – Feb 2023)

Independent Python Developer (Self-Learning)

- Built and tested ML models using Python
- Analyzed datasets with Pandas and visualized using Matplotlib
- Implemented regression models and neural networks