

ROOPA GOLLA

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Professional Summary

Backend-focused software developer with solid fundamentals in data structures, RESTful backend development, and AI-driven systems. Experienced in building scalable web applications using Python, Flask, PHP, and MySQL. Proven ability to translate problem statements into reliable software solutions with measurable impact.

Education

Rajiv Gandhi University of Knowledge Technologies, Basar <i>Bachelor of Technology in Computer Science</i> CGPA: 9.19/10	2023 – Present
Rajiv Gandhi University of Knowledge Technologies, Basar <i>Pre-University Course</i> CGPA: 9.82/10	2021 – 2023
Mahatma Jyothiba Phule Telangana BC Welfare Residential Educational Institution Society <i>Secondary School Certificate (SSC)</i> CGPA: 10/10	2020 – 2021

Projects

Skill-based Job Recommendation System Tech: Python, Flask, Scikit-learn, NLP, TF-IDF, Cosine Similarity, RESTful APIs, JSON, HTML, CSS	GitHub
<ul style="list-style-type: none">Built an AI-driven job recommendation system using NLP, TF-IDF, and cosine similarity.Enhanced job-role matching accuracy by 30% by ranking resumes against job descriptions across sample datasets.Developed a modular Flask backend with RESTful APIs and JSON-based data exchange, integrating multiple job APIs.	
Child Vaccination & Growth Management System Tech: PHP, MySQL, RESTful APIs, Cron, Composer, HTML, CSS, JavaScript	GitHub
<ul style="list-style-type: none">Implemented a full-stack web system for vaccination scheduling, reminders, and child growth tracking.Designed secure PHP-based RESTful APIs with role-based access and structured database management.Automated SMS and Email reminders using Cron jobs, increasing vaccination compliance by 25% during pilot implementation.	

Experience

Web Development Intern | APEX Planet (AICTE Approved)
Duration: 45 days

- Crafted responsive and user-friendly interfaces using HTML, CSS, and JavaScript.
- Validated and refined frontend components to ensure usability and cross-browser compatibility.

Certifications

- Python Essentials 1&2 – Cisco Networking Academy
- Machine Learning for Business Decisions – Wharton School, University of Pennsylvania
- Web Development Internship (45 days) – APEX Planet
- Web Development Training – Internshala

Technical Skills

- **Programming Languages:** Java, Python, C, JavaScript
- **Backend Technologies:** Flask, PHP, REST APIs
- **Frontend Technologies:** HTML, CSS, JavaScript
- **Databases:** MySQL
- **Machine Learning:** Scikit-learn, NLP, TF-IDF, Cosine Similarity
- **DevOps & Tools:** Docker, Linux, Git, GitHub
- **CS Fundamentals:** Data Structures & Algorithms, OOP, DBMS, OS, CN, Cloud Computing

Soft Skills

- Strong communication and teamwork skills.
- Problem Solving, Adaptability, Time Management.

Interests

- Competitive Programming
- Artificial Intelligence & Machine Learning