

# ROOPA GOLLA

+91 7780599243 | gollaroopayadav@gmail.com | Basar, Telangana, India  
GitHub: <https://github.com/Roopa-0501> | LinkedIn: <https://www.linkedin.com/in/groopa>

## 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

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

## Projects

<b>Skill-based Job Recommendation System</b> Tech: Python, Flask, Scikit-learn, NLP, TF-IDF, Cosine Similarity, RESTful APIs, JSON, HTML, CSS	<a href="#">GitHub</a>
<ul style="list-style-type: none"><li>Built an AI-driven job recommendation system using NLP, TF-IDF, and cosine similarity.</li><li>Enhanced job-role matching accuracy by 30% by ranking resumes against job descriptions across sample datasets.</li><li>Developed a modular Flask backend with RESTful APIs and JSON-based data exchange, integrating multiple job APIs.</li></ul>	

  

<b>Child Vaccination &amp; Growth Management System</b> Tech: PHP, MySQL, RESTful APIs, Cron, Composer, HTML, CSS, JavaScript	<a href="#">GitHub</a>
<ul style="list-style-type: none"><li>Implemented a full-stack web system for vaccination scheduling, reminders, and child growth tracking.</li><li>Designed secure PHP-based RESTful APIs with role-based access and structured database management.</li><li>Automated SMS and Email reminders using Cron jobs, increasing vaccination compliance by 25% during pilot implementation.</li></ul>	

## 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

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- 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

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- **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

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

## Interests

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- Competitive Programming
- Artificial Intelligence & Machine Learning