RUPARAJU SRI SAI DEEPIKA

+91 9014218282 ◇ Hyderabad, India

ruparajudeepika@gmail.com ◇ LinkedIn ◇ GitHub

EDUCATION

Bachelor of Technology, Computer Science,
GITAM - Gandhi Institute of Technology and Management, Hyderabad (CGPA: 8.2) (2022 - Present)
Senior Secondary (XII),
VISWASAI JUNIOR COLLEGE (Percentage: 74.6) (2020 - 2022)
Secondary (X),
RED CHERRIES SCHOOL (GPA: 10) (2020)

WORK EXPERIENCE

Summer Intern - IIT Tirupati Navavishkar I-Hub Foundation (IITTNiF) (May 2025 – July 2025)
Description: Working on 3D Terrain Modeling and Flood Simulation using LiDAR Data
– Developed high-resolution 3D terrain models from 2D LiDAR point cloud data using tools such as CloudCompare, TerraExplorer Pro, Skyline PhotoMesh, ArcGIS, and QGIS.
– Processed and meshed raw LiDAR datasets to create accurate digital elevation models (DEMs) and surface meshes for realistic 3D visualizations.
– Currently conducting flood analysis simulations on generated 3D models to assess inundation risk and support disaster management planning.
– Integrated GIS workflows with point cloud processing for spatial accuracy and scenario-based flood impact visualization.

Intern – CodSoft (Remote) (May 2024 - June 2024)
Description: Java Programming Intern
– Completed a 4-week remote internship focused on core Java programming concepts and hands-on implementation.
– Submitted evaluated tasks and received completion certificate for performance and participation.

PROJECTS

WeatherScope Dashboard
Description:
– Developed a responsive web application featuring an interactive world map for real-time weather data exploration using OpenWeatherMap API.
– Implemented city search with autocomplete, browser geolocation, and dark/light mode toggle to enhance user experience.
– Designed a clean and responsive UI optimized for desktop and tablet screens, with fluid map resizing and accessible controls.
– Integrated country flags dynamically alongside weather information for better context and presentation.
Technologies used: HTML, CSS, JavaScript, Leaflet.js, OpenWeatherMap API

AI Powered Law Assistance
Description:
–Built an AI-powered legal assistance tool using Gemini API to process queries from structured JSON data and multiple uploaded PDFs.
–Designed a responsive web interface with real-time query handling, document parsing, and domain-specific AI responses.
–Implemented multi-file support with robust error handling to reject unrelated prompts and ensure high accuracy.
Technologies used: Gemini API, HTML, CSS, JavaScript, Node.js, Express.js, PDF parsing, JSON handling.

SKILLS

Programming Languages	Python, Java
Web Technologies	HTML, CSS, JavaScript
Databases	SQL , MongoDB
Additional Skills	Problem-solving, Analytical thinking, Project Management

CERTIFICATIONS

- Microsoft, Introduction to GitHub
- Deloitte (Forage), Data Analytics Job Simulation
- Coursera, C for Everyone: Programming Fundamentals
- Coursera, Introduction to Computers and Office Productivity Software