

# GANDLA DEEPIKA

Hyderabad, Telangana, India  
deepikagandla07@gmail.com

Portfolio: [linktr.ee/deepikagandla7456](https://linktr.ee/deepikagandla7456)  
[linkedin.com/in/deepikagandla7456](https://linkedin.com/in/deepikagandla7456)  
[github.com/deepikagandla7456](https://github.com/deepikagandla7456)

## CAREER OBJECTIVE

I am a final-year B.Tech student in Computer Science (Data Science) with an 8.78 CGPA who builds functional, end-to-end AI applications. I add value by moving research models out of notebooks into live web environments — already built systems that cut manual planning time by 70% and hit 98.5% accuracy on real-world datasets. I can build and scale intelligent software that automates complex tasks and solves real business problems.

## SKILLS

<b>Programming Languages:</b>	Python, JavaScript, SQL, Advanced Statistics
<b>Web Technologies &amp; Frameworks:</b>	React.js, Flask, HTML/CSS, REST APIs, SQLAlchemy
<b>AI &amp; Machine Learning:</b>	PyTorch, RAG, LLMs (Gemini 2.5 Pro), Agentic AI, NLP, Scikit-learn
<b>Tools &amp; Practices:</b>	Git, GitHub, MLOps, Prompt Engineering, Vercel, PythonAnywhere
<b>Databases:</b>	MySQL, Google Cloud, TensorFlow

## EXPERIENCE

<b>Gen AI Intern</b> <i>SURE Trust</i>	<b>Jan 2025 - Present</b> <i>Andhra Pradesh, India</i>
<ul style="list-style-type: none"><li>Built an AI chatbot using <b>RAG</b> to pull accurate answers from private documents instantly with <b>zero lag</b> in real production.</li><li>Created a <b>Semantic Search</b> system using <b>Gemini</b> that understands question meaning instead of matching keywords using RAG.</li><li>Currently developing advanced <b>Agentic AI</b> and <b>LLM</b> workflows using Gemini 2.5 Pro and <b>PocketFlow</b> for autonomous reasoning.</li></ul>	
<b>Data Science with GenAI Intern</b> <i>Innomatics Research Labs</i>	<b>Nov 2025 - Present</b> <i>Hyderabad, India</i>
<ul style="list-style-type: none"><li>Used <b>Python</b> and <b>Advanced Statistics</b> to find hidden patterns in large datasets, which cut data preparation time by <b>20%</b>.</li><li>Handled the <b>end-to-end deployment</b> of AI models from research notebooks to <b>live web applications</b> using <b>Flask</b> and <b>MLOps</b>.</li><li>Building <b>GenAI</b> and <b>Agentic AI</b> systems that independently reason through multi-step problems to automate complex workflows.</li></ul>	

## PROJECTS

<b>SEDiff-Gen: Diffusion-Guided Topic Modeling Framework</b> <a href="#">View Project</a>	<b>Dec 2025 - Present</b>
<b>Tech Stack:</b> PyTorch, SBERT, HDBSCAN	
<ul style="list-style-type: none"><li>Built an AI framework combining <b>SBERT embeddings</b> with <b>Semantic Diffusion</b> to automate theme discovery, achieving a <b>Topic Coherence score of 0.58 (Cv)</b> and <b>30% faster processing</b> than traditional models.</li><li>Developed a custom evaluation suite to benchmark quality and a <b>visual dashboard</b> that lets researchers explore and interpret hidden themes across massive datasets instantly.</li></ul>	
<b>Travel Itinerary Generator using Artificial Intelligence</b> <a href="#">View Project</a>   <a href="#">Live Demo</a>	<b>Feb 2025 - Jun 2025</b>
<b>Tech Stack:</b> Python, Flask, Gemini 1.5 Flash GenAI, HTML, CSS, BCrypt	
<ul style="list-style-type: none"><li>Built a full-stack AI travel assistant using <b>Gemini 1.5 Pro</b> that generates personalized trip plans in <b>under 10 seconds</b>, cutting manual vacation planning time by <b>70%</b>.</li><li>Added real-time weather and translation tools and used <b>Flask</b> and <b>SQLAlchemy</b> to manage a secure database on <b>PythonAnywhere</b> for saving user itineraries.</li></ul>	
<b>Fake News Detection</b> <a href="#">View Project</a>	<b>Feb 2024 - Apr 2024</b>
<b>Tech Stack:</b> Python, Scikit-learn, Pandas, NLP, Joblib	
<ul style="list-style-type: none"><li>Built a detection system trained on <b>44,898 news articles</b> that hits a <b>98.5% accuracy rate</b> using <b>TF-IDF Vectorization</b> and a <b>Passive Aggressive Classifier</b>. Developed the tool with <b>Scikit-learn</b> to perform real-time text analysis, instantly flagging misleading content and helping users verify news credibility.</li></ul>	

## EDUCATION

<b>B. Tech-Computer Science and Engineering (Data Science)</b> , Sreyas Institute of Engineering and Technology <b>CGPA: 8.78</b> Nov 2022 - Expected Apr 2026		
<b>Intermediate - Mathematics, Physics and Chemistry ( MPC )</b> , TSMS and Jr.College	<b>Percentage: 72.2</b>	Jun 2020 - May 2022
<b>Secondary School Certificate ( SSC )</b> , Zilla Parishad High School ( ZPHS )	<b>GPA: 10.0</b>	Jun 2015 - Mar 2020

## LICENSES AND CERTIFICATIONS

<b>Google Cloud Skills Profile</b> <a href="#">View Profile</a>	
<b>Google Cloud – Data Engineering &amp; Streaming Analytics</b> , Hack2Skill <a href="#">View Certificate</a>	Jan 2026
<b>Prompt Engineering: How to Talk to the AIs</b> , LinkedIn Learning <a href="#">View Certificate</a>	Mar 2025
<b>STTP on Java Full Stack with React.JS and AI</b> , Brainovision <a href="#">View Certificate</a>	Dec 2024