Nagarani Seelamneni

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nagarani-portfolio.vercel.app/

Computer Science student skilled in full-stack development, AI integration, and debugging, with strong knowledge of data structures and algorithms.

Education

Vignan's Nirula Institute of Technology and Science for Women, Guntur

Bachelor of Technology in Computer Science and Engineering (CSE) CGPA: 8.13 Sept 2022 – Expected 2026

Chaitanya Junior College, Nandigama

Intermediate (MPC) Percentage: 81.4% June 2020 – April 2022

Bhashyam English Medium School, Nandigama

SSC (10th Class) CGPA: 8.0 June 2019 – April 2020

Relevant Coursework

- Data Structures and Algorithms
- Artificial Intelligence
- Operating Systems
- Database Management Systems
- Computer Networks
- Object-Oriented Programming

Internships

IBM SkillsBuild – Machine Learning/AI Intern [Certificate] May – June 2024

- Developed a Sentiment Analysis AI-powered platform in a collaborative team setting, implementing 3 key features that improved emotional insight and user engagement.
- Reduced NLP-related bugs by 30% through extensive testing, debugging, and model fine-tuning, resulting in smoother performance and more reliable sentiment predictions.

Projects

AI-Powered Code Reviewer and Fixer MERN Stack, Gemini AI API (2025) [GitHub]

- Built a full-stack AI-powered code review tool using Gemini AI, delivering real-time feedback and auto-fixes with context-aware suggestions reduced debugging time by 60%.
- Implemented user authentication, chat history, language selection, and theme toggling, significantly improving personalization and user experience.
- Enhanced code review speed and accuracy through intelligent analysis, enabling faster development cycles and improved code quality with minimal developer effort.

E-commerce Website with AI Fashion Assistant HTML, CSS, JavaScript (2025) [GitHub]

- Developed a responsive AI-integrated fashion e-commerce platform with personalized outfit recommendations, boosting user decision making speed by 40%.
- Implemented dynamic filters (color, size, trend) and custom recommendation logic, increasing product discovery and user engagement by 45%.
- Enhanced UI/UX and deployed on Vercel, reducing bounce rate by 35%, extending session duration, and enabling real-time cloud-based shopping experiences.

Technical Skills

Languages: Java, JavaScript, Python, HTML, CSS, SQL
Tools: Git, GitHub, VS Code, Figma, Postman, Vercel, MongoDB
Frameworks: React.js, Node.js, Express.js, Django, FastAPI, Bootstrap, Tailwind CSS, TensorFlow, Scikit-learn

Research Publication

A Systematic Review on Blockchain Technology for Real Estate Sector

JETIR, Volume 11, Issue 10, October 2024 (ISSN: 2349-5162)

Published a UGC CARE-approved research paper on blockchain applications in property tokenization, smart contracts, and land registries, contributing to system design, contract modeling, and transaction efficiency analysis in real estate.

Achievements

- Stylelint Contributor - Improved open-source documentation.
- Microsoft Learn Student Ambassador.
- Solved 150+ LeetCode problems, earned 2 Gold and 3 Bronze badges on HackerRank.
- Participated in GDG (Google Developer Group) sessions on AI agents, gaining insights into real-world applications and networking with professionals.
- Competed in ideathon, leveraging creative thinking to develop innovative solutions for real-world challenges.

Certifications

- Python – NPTEL
- SQL – HackerRank
- JavaScript – Udemy
- Web App Development – Udemy
- CSS – HackerRank