MEGHANA N

Tumkur, Karnataka
Phone: +91-9686282522 | Email: meghanan1608@gmail.com
LinkedIn: www.linkedin.com/in/meghana-n16 | Portfolio: Personal-Portfolio | GitHub: https://github.com/Meghanna-N

PROFILE

Innovative and detail-oriented Computer Science student passionate about Python development, software development, web development, product management and problem-solving. Proficient in Python, C, Java (Basic), and web technologies, with a strong foundation in Data Structures, Algorithms, and Object-Oriented Programming. Enthusiastic about data-driven decision-making, scalable solutions, and enhancing user experience through technology. Adept at collaborating with cross-functional teams to deliver impactful projects.

EDUCATION

Channabasaveshwara Institute of Technology
Bachelor of Engineering (Computer Science) | CGPA: 8.81
2022 - 2026 | Tumkur, Karnataka

TECHNICAL SKILLS

- **Programming Languages:** Python, C, Java (Basic)
- **Core Concepts:** Data Structures & Algorithms, Object-Oriented Programming, DBMS, SQL
- **Web Development:** HTML, CSS, JavaScript (Basic), React.js, Django, Flask
- **AI & Machine Learning:** AI/ML, NLP, OpenAI CLIP, LanceDB
- **Developer Tools:** Git, GitHub, VS Code, Jupyter Notebook
- **Productivity Tools:** MS Office (Word, Excel, PowerPoint)
- **Other Skills:** REST API integration (Basics), Problem Solving, Debugging, Agile development basics

PROJECTS

Simple Calculator (Live Demo, GitHub)
- Designed and developed an interactive web-based calculator using **HTML, CSS, and JavaScript**.
- Implemented advanced arithmetic operations with a **user-friendly UI**, error-handling mechanisms, and keyboard support.

Personal Portfolio Website (Live Demo, GitHub)
- Developed a **modern, responsive portfolio website** using **HTML, CSS, and JavaScript**.
- Showcased **projects, certifications, and technical skills** with an interactive UI.
- Implemented **SEO best practices** to increase online visibility and accessibility.

AI Chatbot for College Website (GitHub)
- Designed an **AI-powered chatbot** using **Natural Language Processing (NLP)** to handle student queries.
- Increased **response accuracy by 60%**, enhancing user experience and reducing workload.
- Integrated a **college-specific knowledge base** to improve relevance and usability.

Car Rental System (GitHub)
- Designed a **C-based rental system** that allows users to browse, book, and pay for car rentals.
- Developed a **database-driven system** to track rentals and manage availability.
- Automated **billing and reservation management**, reducing errors and streamlining operations.

Campus Navigation System (GitHub)
- Built a **navigation tool** using **Dijkstra's Algorithm** for optimized pathfinding across campus.
- Reduced **route calculation time by 30%**, improving ease of access for students and staff.
- Integrated an **interactive map** to enhance the user experience.

CERTIFICATIONS

- Front-End Development - Great Learning
- Java Programming - Great Learning
- Python Programming – Kaggle
- Python for Machine Learning – Great Learning
- UI/UX for Beginners – Great Learning

ACHIEVEMENTS & EXTRACURRICULARS

- Active participant in hackathons, solving algorithmic challenges and data-driven projects.
- Regularly practicing LeetCode and HackerRank to strengthen problem-solving skills.
- Contributed to open-source projects and collaborative development communities.