

# MEGHANA N

Tumkur, Karnataka

Phone: +91-9686282522 | Email: meghanan1608@gmail.com

LinkedIn: [www.linkedin.com/in/meghana-n16](https://www.linkedin.com/in/meghana-n16) | Portfolio: [Personal-Portfolio](#) | GitHub: <https://github.com/Meghanna-N>

## PROFILE

---

Computer Science undergraduate with strong hands-on experience in software engineering, AI, and machine learning. Skilled in Python, React, Django, TensorFlow, and SQL with solid foundations in data structures, algorithms, and system design. Experienced in building scalable applications and ML models, with a proven track record of delivering impactful solutions. Quick learner, problem solver, and collaborative team player, eager to contribute to real-world projects.

## EDUCATION

---

### Channabasaveshwara Institute of Technology

Bachelor of Engineering (Computer Science) | CGPA: 8.81

2022 - 2026 | Tumkur, Karnataka, India

## VIRTUAL EXPERIENCE

---

### Deloitte Data Analytics Job Simulation – Forage | Apr 2025 ([Certificate](#))

- Analyzed employee compensation data to identify gender pay disparities using **Excel and Tableau**
- Applied forensic tech methods to classify and visualize equality scores for decision-making

### Software Engineering Job Simulation — Accenture (via Forage) | April 2025 ([Certificate](#))

- Completed practical tasks involving **Software Architecture, Security, Programming, Testing, and Agile methodologies**.
- Simulated real-world engineering tasks to design secure, scalable, and tested solutions.

## TECHNICAL SKILLS

---

- **Programming Languages:** Python, C, Java (Basic)
- **Web Development:** HTML, CSS, JavaScript (Basic), React.js, Django, Flask
- **AI/ML Frameworks & Libraries:** TensorFlow, PyTorch, NumPy, Pandas, LangChain, CLIP, LanceDB
- **Databases:** SQL, DBMS
- **Tools:** Git, GitHub, VS Code, Jupyter Notebook, Linux, Windows
- **Concepts:** Data Structures & Algorithms, OOP, Agile, TCP/IP, Model Evaluation
- **Productivity Tools:** MS Office (Word, Excel, PowerPoint)
- **Communication:** Excellent written and verbal communication skills

## PROJECTS

---

### AI Chatbot for College Website ([GitHub](#))

- Built and deployed an NLP chatbot automating ~70% of student queries, improving response accuracy by 60%.

### Password Generator using Python ([GitHub](#))

- Developed a customizable password generator with strength analysis, clipboard copy, and history tracking.

### Multimodal Search Using OpenAI CLIP and LanceDB (Ongoing)

- Designing a semantic search system combining text and image inputs; optimizing embeddings for better retrieval.

### Simple Calculator ([Live Demo](#), [GitHub](#))

- Created an accessible, responsive calculator with keyboard support and visual feedback.

### Personal Portfolio Website ([Live Demo](#), [GitHub](#))

- Built a responsive portfolio site with a 95% PageSpeed Insights score and SEO optimization.

### Car Rental System ([GitHub](#))

- Developed a C-based rental system with booking, payment, and availability tracking.

### Campus Navigation System (Dijkstra's Algorithm) ([GitHub](#))

- Engineered a tool reducing pathfinding time by 30% across campus routes.

### Contact Book using Python ([GitHub](#))

- Created a CRUD contact manager with search, sort, CSV export, and local data persistence.

## CERTIFICATIONS

---

- |   |   |
|---|---|
| • <b>Front-End Development</b> - Great Learning         | • <b>Java Programming</b> - Great Learning        |
| • <b>Google Arcade Facilitator</b> (Ongoing)            | • <b>Python Programming</b> – Kaggle              |
| • <b>Google Generative AI Intensive Course</b> – Kaggle | • <b>Google Gen AI Exchange Program</b> (Ongoing) |