

UMANGI NIGAM

+91-7068716124 • Greater Noida, India • nigamumangi@gmail.com • [LinkedIn](#) • [GitHub](#) • [Portfolio](#)

SUMMARY

Aspiring software engineer with hands-on experience in AI/ML, full-stack development, and real-time systems. Proficient in Python, React.js, Flask, and TensorFlow. Seeking to apply my skills to impactful projects in intelligent systems, scalable web applications, and automation.

EDUCATION

Bachelor of Technology in Information Technology, Bennett University
CGPA: 8.2 / 10

Sep 2022 – Jun 2026

TECHNICAL SKILLS

Programming Languages: Python, C++, JavaScript, SQL

Web Technologies: HTML, CSS, React.js, Node.js, Express.js, Next.js, Streamlit, Flask, Django, Vite

Databases: MongoDB, MySQL, PostgreSQL

AI/ML Frameworks: Scikit-learn, TensorFlow, Keras, OpenCV, Hugging Face Transformers

Deep Learning: CNN, BERT, DistilRoBERTa, GPT-2, Transformer models

PROJECTS

RideNet – Intelligent Traffic & Routing Platform ([GitHub](#))

Mar 2025

- Developed a smart transportation system using Flask, Socket.IO, and RabbitMQ, reducing route planning time by 25% across 500+ test runs.
- Created an interactive React.js dashboard to visualize real-time traffic data for 200+ live vehicle inputs.

CarpoolX – Ride-Sharing Web App ([GitHub](#))

Feb 2025 – Mar 2025

- Architected a ride-sharing application leveraging React (Vite), Node.js, and MongoDB, enabling 100+ users to connect with drivers within the first month of launch, improving transportation access.
- Integrated Google Maps API for route matching with 92% accuracy and implemented secure user authentication and distance-based fare calculation.

Mindly – AI Mental Health Assistant ([GitHub](#))

Oct 2024 – Nov 2024

- Achieved 83% classification accuracy using DistilRoBERTa and GPT-2, trained on 1,000+ emotional prompts.
- Integrated Hugging Face Transformers and Flask API with React frontend to serve 300+ chatbot interactions in testing.

EXPERIENCE

Freelance Software Developer / Open-Source Contributor

Jan 2025 – Present

- Developed and published 5+ reusable backend modules for Flask APIs and GPT-2 based NLP tools, used by 200+ developers.
- Contributed to open-source AI chatbot platforms, optimizing prompt logic for improved LLM response accuracy by 15%.

Sustainability Intern – Nestlé E-Learning Program

Apr 2025

- Researched Nestlé's carbon neutrality and circular economy goals, Synthesized 15-page report covering 3 major sustainability themes; reviewed by 2 senior mentors and presented during final cohort session.
- Proposed a conceptual AI dashboard for real-time environmental impact tracking based on 20+ hours of learning modules.

ACHIEVEMENT

- Solved 300+ algorithmic problems across platforms like LeetCode, CodeStudio, etc, demonstrating strong problem-solving and data structures knowledge. [Leetcode](#)
- Selected in the top 15 teams out of 1,000+ at the national-level TechSprint Hackathon 2025 for designing a scalable AI-based traffic monitoring system.
- *"Underwater Waste Detection Using High-Performance Computing and Mindly: AI-Powered Chatbot with Emotion Detection"*-Published.
- *"Hate Speech Detection in Hinglish Using Deep Learning"* – Submitted for conference presentation.