YUVIKA GUPTA

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EDUCATION

The LNM Institute of Information Technology (Ongoing) Graduation: May 2027
B.Tech in Mechanical-Mechatronics Engineering
- Specialization in Robotics and Automation

Brightlands Girls Sr. Sec. School
12th Grade: Science 93% Aggregate

SKILLS

Technical Skills:

- **Programming Languages:** C++, Python, C, SQL
- **Data Structures & Algorithms:** Strong understanding of DSA with practical problem-solving experience
- **Web Development:** HTML, CSS, JavaScript
- **Machine Learning & Data Science:** Scikit-learn, PCA, Grid Search, Model Evaluation, Pandas, NumPy, SciPy, Matplotlib, Seaborn
- **Tools & Platforms:** Anaconda, Conda, pip, MATLAB, Simulink, AutoCAD, SolidWorks
- **Version Control & Deployment:** Git, GitHub

Soft Skills:

- Effective Communication & Public Speaking
- Team Collaboration & Mentorship
- Critical Thinking, Creativity & Attention to Detail
- Problem Solving & Adaptability

EXPERIENCE

Codec Technologies *June 2025 – Present*
AI/ML Intern Remote
ConversoAI: Smart Chatbot for Customer Assistance

- Designed and implemented a rule-based NLP chatbot to address common customer queries and automate support tasks.
- Utilized Python, NLTK, and regular expressions for intent detection, keyword extraction, and response generation.
- Improved user engagement and response efficiency by incorporating fallback logic and conversational flow control.

PROJECTS

Personal Portfolio Website (Link)

- Designed and developed a responsive personal portfolio website using HTML, CSS, JavaScript, and Bootstrap, featuring project showcases, skills, and resume for a professional online presence.
- Ensured cross-device compatibility for seamless viewing on desktops, tablets, and smartphones.
- Implemented a clean, user-friendly interface to provide easy navigation and structured content presentation.

Medical Recommendation System (Github Repo)

- Built a personalized health platform using Python and Machine Learning to predict diseases based on user-input symptoms, enabling early diagnosis and personalized care.
- Applied PCA (Principal Component Analysis) for dimensionality reduction, Grid Search for hyperparameter tuning, and a Butterworth Filter to enhance signal clarity during health data processing.
- Developed a user-friendly frontend interface with HTML, CSS, and JavaScript, ensuring smooth interaction and real-time symptom analysis.

Hate Speech Detector (Ongoing)

- Developing an NLP-based model to classify online text as offensive or non-offensive, aiming to minimize online toxicity and hate speech.

- Implementing Tokenization, Lemmatization, and TF-IDF for structured text preprocessing and efficient feature extraction.
- Built classifiers using Logistic Regression and Naive Bayes for robust text analysis, achieving high accuracy in classification.

ACHIEVEMENTS

- **Codeforces - Rating 1098**
- Participated in **Buildathon 1.0 by Tutedude**: Secured 9th position out of 120+ teams in a 72 hours hackathon
- Participated in **MNIT Coding Marathon 2023**: Tackled algorithmic challenges in a timed team-based environment
- Selected for **Global Ideathon Taiwan**: Proposed "AI-Mediated Consciousness Sharing" under Human-Machine Integration.

POSITIONS OF RESPONSIBILITY

- Core Member of **The Counselling and Guidance Cell, LNMIIT** mentoring 50+ students
- Member of **ASME Student Chapter, LNMIIT**
- Core Member of **EFX, LNMIIT**
- Core Coordinator of **Fundoo, the Festival Organizing Club, LNMIIT**
- Member of **Cybersecurity Club, Cipher, LNMIIT**