Gomaladevi K

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Objective

Final-year B.Tech student in Artificial Intelligence and Data Science, eager to apply academic knowledge and hands-on experience in solving real-world problems. Passionate about Machine Learning, NLP, and software development, with a strong focus on practical applications, continuous learning, and innovation.

Experience

- **CubeAi Solutions Tech Pvt.Ltd.**
  May 2024 - October 2024
  Data Analyst Intern
  Worked on Machine Learning, Deep Learning, and NLP projects using Hugging Face Transformers.
  Gained practical experience in LLMs, fine-tuning models, and data-driven solutions.
  Assisted in the development of intelligent systems for automation and prediction tasks.

Education

Course / Degree	School / University	Grade / Score	Year
BTech Artificial Intelligence and Data Science	Erode Sengunthar Engineering College	8.56 %	2022 - 2026
12th Standard	Kongu Vellalar Matric Hr. Sec. School	87%	2022

Skills

- **Programming & Tools**
  Python, C, SQL, Git, GitHub, Google Colab

- **Data Science & Machine Learning**
  Pandas, NumPy, Machine Learning, NLP, Hugging Face, Transformers

- **Data Visualization**
  Power BI, Matplotlib

- **Soft Skills**
  Logical Thinking, Decision Making, Team Management, Leadership, Adaptability, Problem Solving

Projects

- **Language Translation Model**
  Built a multilingual NLP model that translates text across languages while maintaining grammar and semantic accuracy, enabling real-time cross-language communication.

- **Amazon Scraper**
  Developed a Python-based scraper to extract product details such as name, price, and rating from Amazon for price tracking, trend analysis, and market research.

- **Sentiment Analysis**
  Implemented sentiment detection using TextBlob to classify textual data as positive, negative, or neutral, and measured subjectivity for content evaluation.

- **Text-to-Speech System**
  Converted written text into human-like speech using NLP and speech synthesis, enhancing user experience and accessibility for the visually impaired.

- **Laser Light Field Security System (IoT Mini Project)**
  Built a laser-based field security system that triggers an alert upon beam interruption. Demonstrated low-cost perimeter security using basic IoT principles.

- **Dashboard Creation**
  Designed interactive dashboards using Power BI to visualize and monitor key data metrics, enabling real-time business intelligence and performance tracking.

Certifications

- **NPTEL – Data Science using Python [Passed with 73%]**
  Covered key topics including data wrangling, data visualization, statistical analysis, and machine learning using libraries such as NumPy, Pandas, Matplotlib, and Scikit-learn.

Area Of Interest

- Natural Language Processing (NLP)
- Data Analytics & Visualization
- Machine Learning & AI Model Development
- Software Development