# CHINMAY INCHAL

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## Professional Summary

Motivated and detail-oriented final-year AI/ML engineering student with a strong foundation in machine learning, NLP, and software development. Skilled in developing end-to-end ML projects, from data preprocessing to model deployment, with experience in both academic research and IoT-based solutions. Passionate about leveraging data-driven insights to solve real-world problems and committed to continuous learning and collaboration in fast-paced tech environments.

## Education

**B.E. in Artificial Intelligence and Machine Learning**　　　　　　　　　　　　　　**CGPA: 8.22**
New Horizon College of Engineering, Bangalore

**Diploma in Computer Science**　　　　　　　　　　　　　　　　　　　　　　　　**CGPA: 8.6**
MM Polytechnic, Belagavi

**SSLC**　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**77%**
Secondary Education Examination Board, Belagavi

## Projects

**IoT-Based Collision Detection System**

Built a real-time vehicle safety system using ESP8266 and proximity sensors.

Integrated with IFTTT to send instant alerts to smartphones.

Tech Stack: ESP8266, Proximity Sensor, IFTTT, Cloud Services

**Gene & Symptom Prediction in Rare Diseases**
Applied ML models on genomic and clinical data to identify early-stage rare diseases.

Improved diagnostic accuracy through feature extraction and supervised learning.

Tech Stack: Python, Scikit-learn, Pandas, NumPy

**Spam Detection using ML**
Created a spam classifier using TF-IDF vectorization and Naive Bayes algorithm.

Achieved 97% accuracy on email Spam dataset.

Tech Stack: Python, NLTK, Scikit-learn, Pandas

**Text Summarizer using NLP**
Developed a hybrid summarization tool using TextRank and Transformer models.

Effectively condensed documents while preserving context.

Tech Stack: Python, spaCy, HuggingFace Transformers, NLTK

## Technical Skills

**Languages:** Python, Java, JavaScript　　　　　　**ML/AI:** Scikit-learn, NumPy, Pandas
**Tools:** Docker, Git, VS Code　　　　　　　　　　**Databases:** MySQL
**NLP:** NLTK, spaCy, Transformers　　　　　　　　**Web Dev:** HTML, CSS, JavaScript
**Concepts:** DSA, OOPs　　　　　　　　　　　　　**Deep Learning:** TensorFlow

## Achievements

Published paper titled "*ML Techniques for Identifying Genes and Symptoms in Rare Diseases*¨, showcasing practical applications of machine learning in healthcare.

## Soft Skills

Teamwork, Leadership, Communication, Critical Thinking