

# NAYANA PREETHI RAGHUNATHAN

*AI/ML & NLP Developer | LLM, RAG Enthusiast*

Github | LinkedIn | nayanapreethi2005@gmail.com | Portfolio

## CAREER OBJECTIVE

Passionate AI and NLP developer specializing in machine learning, deep learning, LLMs, and Generative AI applications. Currently pursuing a B.Tech in AI & ML with hands-on experience in machine learning models, model fine-tuning, RAG systems, and no-code/low-code development. Eager to innovate and build impactful AI-driven solutions that enhance human-machine collaboration.

## EDUCATIONAL QUALIFICATIONS

- **B.Tech in Artificial Intelligence & Machine Learning**

*SNS College of Technology, Coimbatore* |  
CGPA:8.895

Nov 2022 – Apr 2026

- **12th Grade (HSC)**

*SSKV Matric Hr. Sec. School* | 87.33%

Jun 2021 – Jul 2022

- **10th Grade (SSLC)**

*Bharathidasan Matric Hr. Sec. School* | 98.6%

May 2019 – May 2020

## SKILLS

### Technical Expertise:

- **Programming Languages:** Python, C, C++
- **Frameworks & Libraries:** Transformers, LangChain, OpenAI API, Accelerate, PEFT, TensorFlow, PyTorch, Keras, Scikit-Learn, Hugging Face, Ollama, GitHub, MySQL, MongoDB
- **Technologies:** Machine Learning, Deep Learning, NLP, LLMs, Data Analytics

**Soft Skills:** Communication, Observation, Project Management, Business Research

## WORK EXPERIENCE

- **ML Intern – Nitroware Technologies | Jul 2024**

Worked on data preprocessing, model training, and tuning. Used Python, Tensorflow, Scikit-learn, and Jupyter for real-world ML tasks.

- **AI Azure Intern – Microsoft with Edunet Foundation | May 2025 - June 2025**

Gained practical AI Azure experience, building machine learning models with Azure AI tools to solve real-world problems.

- **Data Science intern - Postulate Info Tech Pvt.Ltd | June 2025**

Gained practical data science experience, applying machine learning and statistical analysis to extract insights and solve real-world problems.

## PROJECTS

- **No-Code Productivity Tools**

Built various management apps using platforms like MIT App Inventor to automate workflows without.

**Tech Stack:** Zapier, Glide, MIT App Inventor

- **Mental Health Tracker**

AI-powered web app for mood analysis and mental wellness insights using sentiment analysis and predictive modeling.

**Tech Stack:** Python, SVM, Logistic Regression, K-Means, HTML, CSS, JS, MySQL

- **Bloodhub**

Real-time platform connecting blood donors with recipients through geolocation-based matching and automated alerts.

**Tech Stack:** HTML, CSS, JS, Firebase, Google Maps API

- **Student Learning Platform**

A personalized learning platform represents education, with real-time engagement analysis for unique needs of each student.

**Tech Stack:** HTML, CSS, JS, MySQL, Reinforcement Learning, OpenCV, Python

## CERTIFICATIONS

- Machine Learning Specialization – Coursera, Stanford University and DeepLearning.AI
- Certified Data Scientist – DevTown
- Data Structures & Algorithms – DevTown
- Java – DevTown , C++ – DevTown
- Competitive Programming – DevTown
- Database Management System Part 1 & 2 – InfySpringboard