

Pratyush Kargeti

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Education

B.Tech, Computer Science Engineering – Graphic Era University, Dehradun	2021 – 2025
CGPA: 9.0/10.0	
Senior Secondary (12th), CBSE – Doon International School, Dehradun	2020
Percentage: 92.6%	
Secondary (10th), CBSE – P.D.D.S. Vidya Mandir, Mathura	2018
Percentage: 95.16%	

Work Experience

Web Data Engineering Intern – Kicks Machine, Dehradun	Jul 2024 – Jun 2025
<ul style="list-style-type: none">Automated data scraping process using Selenium, BeautifulSoup, and Python, extracting product details for over 5000+ items across 6 e-commerce websites.Integrated multiple web scrapers into a unified pipeline by modularizing them & identified best sellers and prices across websites, enabling 30% faster data analysis for business insights.	

[GitHub](#)

Projects

DRSense: Diabetic Retinopathy Detection Tool

[GitHub](#)

- Built a real-time diagnostic tool for diabetic retinopathy with **LLAMA3**-powered medical recommendations and downloadable retinal reports.
- Achieved **98% training** and **83% validation accuracy** using fine-tuned **DenseNet121** model and **CLAHE** preprocessing on the APTOS 2019 dataset (3,662 images).

Spamalyzer: Real-Time Spam Detection Web App

[GitHub](#)

- Built a full-stack ML web app achieving **97.6%** spam detection accuracy using **SVM**, **NLTK**, and **Scikit-learn**, served via a **Flask**-powered **REST API**.
- Deployed frontend on **Netlify** and backend on **Render**; integrated **UptimeRobot** to eliminate cold start delays and ensure **99.9%** backend uptime.

Trivana: Multi-Domain AI Companion powered by LLMs

[GitHub](#)

- Built a conversational AI assistant using **Python**, **Groq API**, and **LangChain**, delivering personalized insights for Movies, Music, and Sports.
- Deployed on **Streamlit Cloud** with modern UI, supports context-aware memory & multiple LLMs.

Technical Skills

- Languages:** C++, Python, Java, JavaScript, SQL, ReactJS, NodeJS, ExpressJS
- Frameworks/Tools:** Scikit-learn, TensorFlow, Keras, Pandas, Numpy, Matplotlib, OpenCV, Flask, Streamlit, LangChain, Selenium, BeautifulSoup, Git, Postman, Ollama, Jupyter Notebook
- Domains:** Machine Learning, Deep Learning, NLP, Computer Vision, Data Structures & Algorithms, Web Development, OOPs, DBMS, Operating Systems, Computer Networks
- Databases:** MySQL, MongoDB

Achievements

- Solved over 500+ LeetCode problems, top 18% globally.
- 3rd place, Tech Traverse 1.0 Coding Competition, ISTE, Graphic Era (Rs.2000 cash prize).
- Qualified JEE Mains 2021; secured NIT admission offer.

Coding Profiles

- LeetCode:** [View Profile](#) | **GeeksforGeeks:** [View Profile](#) | **StopStalk:** [View Profile](#)