

Pratyush Kargeti

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Education

B.Tech, Computer Science Engineering – Graphic Era University, Dehradun	2021 – Present
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 Development Intern – Kicks Machine, Dehradun	Jul 2024 – Aug 2024
<ul style="list-style-type: none">Developed high-scale web scraping pipeline using Selenium, BeautifulSoup, and Python, extracting product details for 5000+ items across 6 e-commerce websites.Structured scraped data using Pandas, enabling 30% faster data analysis for business insights. GitHub	

Projects

Trivana: Multi-Domain AI Companion powered by LLMs	GitHub
<ul style="list-style-type: none">Built a conversational AI assistant using Python, Groq API, and LangChain, delivering personalized insights for Movies, Music, and Sports.Deployed on Streamlit Cloud with a modern UI, supporting context-aware memory and 24/7 uptime.	
Spamalyzer: Real-Time Spam Detection Web App	GitHub
<ul style="list-style-type: none">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.	
Retinal Image Analysis for Diabetic Retinopathy Detection	GitHub
<ul style="list-style-type: none">Achieved 79% accuracy in 5-class diabetic retinopathy classification using DenseNet121 and transfer learning on APTOS 2019 dataset (3,662 fundus images).Applied CLAHE preprocessing technique, improving blood vessels visibility and model performance.	

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:** Web Development, AI/ML, Deep Learning, NLP, Computer Vision, Data Structures & Algorithms, 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](#)