

Divya Lamba

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Portfolio Website

EDUCATION

- Indira Gandhi Delhi Technical University for Women** Delhi, India
 - B.Tech - Computer Science with specialization in Artificial Intelligence; GPA: 8.79* *Dec 2021 - May 2025*

SKILLS SUMMARY

- Languages:** C++, Python, JavaScript, HTML, CSS, Dart, SQL
- Frameworks:** Bootstrap, Numpy, Pandas, NLTK, PIL, OpenCV, Flutter, Flask, Django Python (REST APIs)
- Tools:** Docker, GIT, MySQL, Visual Studio Code, Android Studio
- Platforms:** Linux, Web, Windows, MAC, Android
- Soft Skills:** Leadership, Problem Solving, Adaptability, Communication skills, Curiosity, Multitasking, Agile.

EXPERIENCE

- Adobe** On-Site Certificate
 - Summer Intern (Full-time)* *May 2024 - Aug 2024*
 - Project:** GenSite - Presenting personalized multi-modal content through dynamic microsites.
 - Description:** Utilized Large Language Models (LLM) and company-specific APIs to develop microsites with multi-modal content that align with the theme of the target product's homepage to power Adobe Marketo Engage. Enabled targeted marketing by fetching personalized content through tag-based searches on product documents. Implemented text-to-video to produce engaging videos for the microsite, enhancing the customer journey for various buying groups.
- Department of Information Technology, IGDTUW** Remote Certificate
 - Summer Intern (Part-time) under Prof. Rishabh Kaushal* *May 2023 - Dec 2023*
 - Project:** Multi-modal approach for Instagram posts popularity prediction
 - Description:** Utilized image feature extraction, BERT-based hashtag and caption topic modeling, and the all-MiniLM-L6-v2 transformer for caption features to predict post popularity within a vast Instagram dataset. Highest accuracy of 93.0% was achieved using Random Forest model.

PROJECTS

- SustainAware: Let's EcoEngage Ourselves! (Google Girl Hackathon'23 Submission):** [LINK]
 - Description:** Conceptualized and developed the website 'SustainAware' with AI algorithms to encourage sustainability practices through gamification strategies.
 - Features:** Sustainable product recommendations, blogs sharing, and waste classification engine. Calculated GreenScore based on user activities. (July '23)
- Android Malware Detection System (Flutter Application):**
 - Description:** Developed a Deep Learning model in Python for detection of Android malware in APK files.
 - Features:** Utilised hybrid analysis techniques to identify malicious files and enhance smartphone security and privacy. Deployed the model through a Flutter mobile app to provide real-time protection for users. (September '23)
- Portfolio Website (HTML, CSS, Javascript):** [LINK]
 - Description:** Developed responsive Portfolio Website with multi-page functionality. Ensured mobile and tablet compatibility for enhanced user experience. (Dec'24)
- Trade Smart (Python Django project):** [LINK]
 - Description:** Developed a real-time stock market data fetching system using Python and API integration, resulting in a 50% decrease in data retrieval time and enabling timely decision-making for automated trading strategies.
 - Features:** Stores data in InfluxDB; Performs analytics and executes trades based on predefined rules and strategies. Utilises asyncio for concurrent processing and web sockets for data providing 80% faster code execution. (June'23)
- Food Recommendation System Web Application (using Streamlit):** [LINK]
 - Description:** Engineered a machine learning algorithm to curate personalized meal plans based on individual nutritional requirements, dietary preferences, and user ratings.
 - Features:** Created a Streamlit web app for model deployment, gathering user preferences through a questionnaire. Achieved mean precision score of 0.63 for user preferences using K-nearest neighbors algorithm. (July'22)

PUBLICATIONS

- The Role of Prompt Engineering in Improving Language Understanding and Generation:** Volume 6, Issue 6 (November-December 2024) of the International Journal for Multidisciplinary Research. [LINK]

HONORS AND AWARDS

- 1st Position, Atheneum'22, Cyber Security Track, conducted by AI&DS Dept, IGDTUW:** Built a Deep Learning model in Python for malware detection using APK files and deployed through Flutter mobile app.
- Flipkart GWC Scholar'24:** Selected as top 200 mentees for Flipkart Girls Wanna Code 5.0 program.
- GSSoC'24:** Selected as a contributor in the GirlScript Summer of Code for a 3 month period.
- Google Girl Hackathon'23:** Shortlisted till Round-3 of Google India's second edition of Girl Hackathon.
- Postman API Fundamentals Student Expert:** Earned Postman API Student Expert badge from Postman.
- Gold Medalist:** in Silverzone International Informatics Olympiad (IIO)
- Rank 3:** in Silverzone International Olympiad of Mathematics (IOM)
- Finalist:** at Clash of Pi Series 3 (NATIONAL MATHEMATICS CONTEST)

POSITION OF RESPONSIBILITY AND CO-CURRICULAR

- Google Developer Student Clubs, IGDTUW:** Competitive Programming Mentor, (Aug'23 - Aug'24): Provided mentorship in CP to students by delivering inclusive and captivating content through online lectures.
- Desh Ke Mentor:** (Jan'22 - Aug'22) Guided 4 10th and 12th grade students regarding career choices, resources and exams in Delhi government launched mentorship program for government school students.
- Societies:** Member of Music and Art and Creative Society of Indira Gandhi Delhi Technical University for Women.