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: 8.90 — 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.

SELECTED PROJECTS

- **DRRaM_AI: Dynamic Route Rationalization Model based on real-time traffic parameters**: [LINK]
  - **Description**: A scalable route optimization system that clusters delivery points using advanced algorithms like A-star to generate optimized routes in real-time.
  - **Features**: Real-Time Optimization, Scalable Solutions, Multi-Objective Balance, User-Centric Design. (Dec'24)
- **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] 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.