

AANYA SINGH DHAKA

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EDUCATION

Indira Gandhi Delhi Technical University For Women
Bachelor of Technology : Information Technology – 8.60 CGPA

Delhi, India
Nov 2022 - May 2026

Vivekanand School
HSC PCM - 92.7%

Delhi, India
Apr 2020 - Jul 2022

EXPERIENCE

- Expedia Group** Gurgaon, Haryana
ML Engineering Intern June 2025-July 2025
- Built production-ready GenAI nodes (Confluence, Backstage, OpenAPI, MODEL) in Expedia's Intelliflow Studio, enabling intelligent, cross-platform search flows integrated with Slack agents.
 - Designed full-stack execution for LLM workflows using Spring Boot, GraphQL, and OpenAPI, applying prompt engineering and dynamic JSON UI schemas to power real-world automation.

DRDO (Defence Research and Development Organisation)-DESIDOC Delhi, India
Research Summer Intern May 2024 – July 2024

- Collaborated on a research paper under the guidance of Scientist F, focusing on enhancing the detection of kidney diseases.
- Developed and evaluated hybrid models to improve diagnostic accuracy using advanced machine learning techniques.
- Implemented cross-validation techniques to validate model performance, ensuring reliability and robustness of predictive models.

Rotaract Club of IGDTUW Delhi, India
Secretary Jul 2024 – May 2025

- Played a key role in planning and organising over 90 events, ensuring seamless execution and high participant engagement.
- Managed a team of 200+ active members, providing leadership, coordination, and support for club projects and activities.

SKILLS

- | | |
|----------------------------------|--|
| Programming & Frameworks | : Python, Java, C/C++, React, Node.js, TensorFlow, CSS, JavaScript |
| Machine Learning & Data Science: | : Scikit-learn, Keras, Pandas, NumPy, Model Deployment |
| Tools & Platforms: | : Google Cloud Platform, Git, Visual Studio, AWS, Azure |

PROJECTS

FinVerse – GenAI-Powered Financial Assistant | *React, Next.js, Python*
[GitHub](#) || [Link](#)

Developed a full-stack AI-driven platform to improve financial literacy among retail investors in India. The app features a conversational chatbot powered by Gemini Pro API, integrated educational content via the YouTube API, and tools for personalised investment insights, budget tracking, receipt scanning, and fraud alerts.

Differentiated Case Flow Management System | *Python, Hugging Face*
[GitHub](#)

This project utilizes AI and Natural Language Processing (NLP) to predict the priority of legal cases based on their descriptions. It aims to enhance case management efficiency by categorizing cases into **High**, **Medium**, and **Low-priority** tracks with a notable 76% AI model accuracy.

Project Tracking Dashboard | *Django, Chart.js, Bootstrap*
[GitHub](#)

Built an internal full-stack analytics dashboard using **Django** and **Chart.js** to transform project data into actionable insights, demonstrating expertise in backend management and dynamic data visualization.

PUBLICATIONS

Aanya Singh Dhaka, Ritu Rani, Garima Jaiswal, Arun Sharma, Amita Dev.

"Advancing Chronic Kidney Disease Detection: Improving Biomarkers and CT Imaging for Enhanced Detection."

IEEE, 2024 International Conference on Integrated Intelligence and Communication Systems (ICIICS), Kalaburagi, India.

HONORS AND AWARDS

WINNER - SMART INDIA HACKATHON (SIH) 2025

Ranked #1 among 400+ teams; selected from 50K+ participants across the nation.

Govt. of India: MoE & AICTE

Dec 2025

ADVANCING INCLUSION SCHOLAR – GHCI 2024

Chosen for GHC scholarship, acknowledging academic excellence and contributions to tech inclusion.

AnitaB.org India

Nov 2024

AMERICAN EXPRESS DISCOVERY PROGRAM 2024

One of the 150 chosen mentees out of 30000 applicants all over the country.

AMEX

Jan 2024

MICROSOFT STUDENT LEARN AMBASSADOR

Selected as an MLSA to showcase and expand skills using Microsoft technologies.

Microsoft

Jan 2024

SELECTED FOR HARVARD HPAIR CONFERENCE

Chosen delegate for the prestigious 2024 HPAIR Conference, showcasing merit and potential.

Harvard University Cambridge

Dec 2023