# Astha Varshney

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## EDUCATION

| Institute | Examination | Year | Grade |
|---|---|---|---|
| Indira Gandhi Delhi Technical University for Women | B. Tech in Computer Science & Engineering | 2021-Present | /10.00 |
| Vivekanand School, Anand Vihar, Delhi | Class 12th – CBSE (Science with Mathematics) | 2021 | **97.4%** |
| Holy Angels' Sr. Sec. School, Sahibabad, U. P | Class 10th - ICSE | 2019 | **97.0%** |

## TECHNICAL SKILLS

C++, Java; Machine Learning-Python; Android Development- Flutter, Dart; Web Development-HTML, CSS, Bootstrap

## EXPERIENCE

**E-cell, IIT Bombay** | Entrepreneurial Campus Ambassador | Mumbai                                    **July 2022 – Present**
• Promote and represent the university by being the **initial point of contact** for prospective students in the events organized by IIT, Bombay
• **Leverage social media** tactics to drive traffic and attention towards entrepreneurial competitions and fests organized by E-Cell, IIT Bombay

**Rotaract District 3011** | District Editorial Committee Chair | Delhi                                    **July 2022 – Present**
• Ensure the activities and events conducted by the district are presented in the best possible way in the **72 Rotaract clubs** under the district
• Contribute to proposing ideas to enhance knowledge and understanding of the needs of the community. Also, oversaw their smooth execution

**Centre of Excellence-AI, IGDTUW** | Research Trainee | Delhi                                    **June 2022 – Present**
• Learned crucial concepts of **machine learning** using python and understood the industrial perspective on the broader applications of **AI & ML**
• Co-authoring a **research paper** to publish our findings and results on the project: **Heart Failure Prediction using Machine Learning**

**Flurno- An ed-tech Startup** | Outreach Intern | Delhi                                    **February 2022 – March 2022**
• Created and designed engaging **technical content** to promote services of the company and used **email marketing** tactics to maximize reach
• Achieved **lead conversion of 17 lead prospects** in 1 month by regularly communicating with them and providing assistance in the same.

## PROJECTS

**Roommate Pairing** | Android application | Celestial Biscuit, IGDTUW                                    **June 2022 – Present**
• Collaborating in a team of 6 to build a **roommate pairing system** using **Flutter**, to be used by the universities in the process of allotment of the hostels. The application is a **tinder-styled application** with card-stack features, instant matches, chat, swiping, and block/restrict.

**Heart Failure Prediction** | Machine Learning project | COE, IGDTUW                                    **June 2022 – Present**
• Worked in a team of 2 to predict heart failure accurately using **ML algorithmic models**. Achieved an accuracy of **87.3%** which is **higher** than in any published paper regarding the same. Documentation of the **research paper** is in progress for the publication of the results and findings.

## LEADERSHIP & VOLUNTEER EXPERIENCE

**Innerve** | Head Coordinator | IGDTUW                                    **August 2022 – Present**
•  Selected to be the head coordinator of the **Human Resources** Team and the **CS/IT** Team in the **Techfest- Innerve** to be held in September'22

**Minerva- Virtual Tech Forum** | Research Associate | IGDTUW                                    **March 2022 – Present**
• Collaborate in a team of 5 to collect and summarize opportunities for **Women in Technology** pursuing their undergraduate degrees in STEM
• Publish **articles** on academics, soft skills, technology, and hard skills, and Copywrite newsletters for all the sessions conducted by Minerva

**Enactus** | Project Dharini- Member | IGDTUW                                    **February 2022 – Present**
• Educated people about **gender-inclusive menstruation**. Assisting in executing a **web app** for menstruators to connect with gynaecologists and counsellors and get instant and legitimate solutions to period problems they face. Received funding of **Rs 25000** from Enactus India

**Academic Tutor** | Sahibabad, Uttar Pradesh                                    **October 2020 – Present**
• Provide one-on-one **student tutoring** and academic support to high school students in **Mathematics** and **Science**. Help them understand and learn new concepts. Also, supervise their **time management, goal-setting, and day-planning** to increase efficiency and productiveness.

## HONORS & ACHIEVEMENTS

**Kalpana SHE'22 Fellow** | VigyanShaala International                                    **July 2022 - Present**
• Received 100% scholarship for their career development and **mentorship** program that enables fellows to chart various career paths in STEM
• Designed by scientists and techies from leading global universities, it is a two-level program comprising of **Kalpana Incubator & Accelerator**

**FFE Amazon'22 Scholar** | Foundation for Excellence                                    **March 2022 - Present**
• Received **Rs. 40,000** scholarship money from **Amazon** for the academic year 2021-2022 for excelling in national level entrance examinations
• Includes assistance in training and mentorship sessions from industry experts, and advice forum from a vast network of donors and alumni

**Harvard WECode'22 Scholar** | Harvard University                                    **February 2022**
• Received 100% fully funded scholarship to attend World's most prominent student-run **Women in Tech conference** by **Harvard University**.
• Attended technical sessions, and keynotes by speakers. Formed connections by networking, and participated in career-enhancing workshops