

# Astha Varshney

GitHub: [github.com/Asthavarshney](https://github.com/Asthavarshney)  
LinkedIn: [linkedin.com/astha-varshney](https://www.linkedin.com/in/astha-varshney)

Email: [astha119btcse21@igdtuw.ac.in](mailto:astha119btcse21@igdtuw.ac.in)

Mobile: +91-9811019035

Twitter: [twitter.com/Asthavarshney2](https://twitter.com/Asthavarshney2)

## Education

- **Indira Gandhi Delhi Technical University for Women** Delhi, India  
• *Bachelor of Technology - Computer Science & Engineering; GPA: 8.35* 2021 - Present  
• *Relevant Coursework: Data Structures and Algorithms, Database Management Systems, Software Engineering, Operating Systems*
- **Vivekanand School** Delhi, India  
• *Class 12 - Science with Mathematics, Computer Science- Python; CBSE Percentage: 97.4%* 2021
- **Holy Angels' Sr. Sec. School** U.P, India  
• *Class 10 - Computer Science - Java; ICSE Percentage: 97%* 2019

## Experience

- **NXP Semiconductors** Remote  
• *Design and Development Program-Fellow* Nov 2022- Present
  - **Relevant Coursework:** Digital Logic gates, Sequential and Combinational circuits, Design flow, Verilog, Procedural Block, FSM Designing
- **HyperVerge Academy** Remote  
• *Full-Stack Web Development-Fellow* Nov 2022- Present
  - **Relevant Coursework:** Python programming, PostgreSQL, Django Web framework, Django REST framework
- **Centre of Excellence- AI, IGDTUW** Remote  
• *ML Research Trainee (Summer Intern)* Jun 2022 - Jul 2022
  - **Data Visualization:** Implemented python libraries to perform **EDA** for gaining better understanding of data
  - **Supervised ML Models:** Mastered **Feature Selection** and its use to increase the overall effectiveness of the models
- **Flurno- An Ed-Tech StartUp** Remote  
• *Student Intern (Part-time, Contractual)* Feb 2022 - Mar 2022
  - **Email marketing:** Conceptualized and designed engaging **technical content** to promote the services of the company.
  - **Lead Conversion:** Delegated **17 lead prospects** in 1 month by regularly communicating and providing assistance.

## Skills Summary

- **Languages & Frameworks:** Python, C++, C, SQL, Java, Dart, Flutter, Django (Currently Learning), HTML, CSS
- **Tools and Technologies:** GitHub, PostgreSQL, MySQL, Linux, Canva, Figma, VSCode, Microsoft Excel, Google Doc

## Projects

- **BlogPost Web Application:** (Minor Fellowship Project) Created a blog application with **email authentication** requirements. Users can perform the **CRUD** functions on their posts. Also provides the **comment** and **search** features. Designed different views of the application. **Tech: Django, Python, HTML, CSS, CKEditor**(Jan 2023) [\(Project Link\)](#)
- **Roommate Pairing Application:** (Work in progress) Team: 3; Devised for universities for roommates allotment. Designed the **UI** of the application. Programmed the landing page, Settings page, and Edit Profile page of the application. Working on including the **Tinder-styled** swipe feature, and chat option. **Tech: Figma, Flutter, Dart** (Sep 2022) [\(Project Link\)](#)
- **Heart Failure Prediction:** Team: 2; Achieved an overall accuracy of **87.3%**. Applied **4** different types of Feature Selection Tests and decreased the complexity for models by **46%**. Co-Authoring the research paper presenting the data analysis, **4-Step methodology** and results. **Tech: Python, Scikit-Learn, NumPy, Google Colab** (Jul 2022) [\(Project Link\)](#)

## Positions of Responsibility

- **E-cell, IGDTUW | Founder & Treasurer** Oct 2022 - Present
  - Responsible for **budget-planning** and administering funds for events organized by Ecell and **IGDTUW Anveshan Foundation**
  - Coordinate with **7 board members** and oversee staff of **103 students** ensure proper planning and execution of events
- **SOCH- The Art & Writing Society of IGDTUW | Management Head** Sep 2022 - Present
  - Lead a team of **25 members** to plan and execute 2 monthly events, trips and competitions of art and literature
  - Conduct inter-university events, organize workshops and oversee their proper execution in reaching to **100+** students
- **Minerva - Virtual Tech Forum | Research Associate** Mar 2022 - Present
  - Collaborate in a team of **5** to provide daily opportunities to **1.1K+** active students, on Telegram, pursuing STEM
  - Publish articles and tips & tricks on academics, and technology, and newsletters for the sessions conducted by Minerva

## Achievements

- **NXP WIT'22 Scholar:** Among the **Top 50** for NXP Semiconductors' **Design and Development** program (Nov 2022)
- **Tesseract- AI/ML Ideathon: Runner-Up;** Idea: 'Ambo in a Blink'(Healthcare category) Tech: AI/ML (Oct 2022)
- **Zuno Fellowship Program: Silver Winner;** Among the **Top 280** performers out of **14K+** participants (Aug 2022)
- **IICC'22 by AICTE: AIR 3798** out of **90K+** coders in Innovate India Coding Championship (Round 1) (Aug 2022)
- **India-Ireland Poetry Fest:** Illustrated a winning poem in the book '**Care, Courage and Commitment**' (Jun 2022)
- **FFE Amazon'22 Scholar:** Received **Rs. 40,000** scholarship for excelling in national-level entrance exam (Mar 2022)
- **WECode'22 Scholar:** Attained 100% funded scholarship to WIT Global Conference by **Harvard University** (Feb 2022)