

Kimaya Deshpande

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Education:

- ❖ **Purdue University** **Bachelor of Science, Computer Science 2024 – 2028**
CS18000BLK - Problem Solving and Object Oriented Programming
CS19300 - Tools
TDM10100 - The DataMine Seminar 1
MA16200 - Plane Analytic Geometry Calculus II
SCLA10100 - Critical Thinking and Communication 1
- ❖ **Hiranandani Foundation School International, Mumbai** **Class 11th & 12th (IBDP) 2022 – 2024**
Computer Science, Math AA, Economics – HLs
Physics, French B, English Lang & Lit – SLs
Extended Essay: Computer Science
Research question: To what extent does the dataset size (of 128 by 128 pixel images) in a predictive model built with neural network Inception_v3 affect the accuracy of image classification for car recognition?
- ❖ **Hiranandani Foundation School International, Mumbai - Class 9th & 10th (IGCSE) 2020 – 2022**
Computer Science, Physics, Extended Math, Chemistry, Economics, Business Studies, French, English (FLE) – 8 A*s

Additional Courses Taken:

- ❖ **Harvard Summer School - (4 credits)** **June - Aug 2023**
 - Building Interactive Web Applications for Data Analysis
- ❖ **LinkedIn Learning -** **May 2022-2023**
 - Python Essential Training
 - Introduction to Web Design and Development
 - Python - Working with Predictive Analytics
 - Learning Data Science - Understanding the Basics and Learning Data Visualisation.
- ❖ **Udemy -** **May 2022-2023**
 - **Introduction to Python Programming,**
 - Simple and Easy: WordPress for beginners.

Internships:

- ❖ **Girls Who Code:** **July 2023**
Developing algorithms for London Stock Exchange (2 week internship)
- ❖ **The Helping Hands NGO:** **June – Sep 2023**
Designing and developing the organization website
- ❖ **Healing Dove Foundation NGO:** **April - June 2022**
Content Writer - reports, presentations, blogs, proposals

Volunteering:

- ❖ **Tell A Story iVolunteer:** *Jan 2023*
Telling Stories to underprivileged kids in their native language
- ❖ **Raj Vidya's Troop for Shrimad Rajchandra Love and Care:** *Sept 2021*
Raising funds for Covid19 relief
- ❖ **PiJam coding camp:** *June 2023*
Teaching underprivileged kids coding
- ❖ **Community Clean-up iVolunteer:** *Jan 2023*
Cleaning up Powai Lake, Mumbai
- ❖ **Versova Beach Cleanup:** *Sept 2022*
Cleaning up Versova Beach, Mumbai, a CAS activity

Projects/Trainings Undertaken:

- ❖ **Harvard Summer School: Building Interactive Web Applications for Data Analysis** *June-August 2023*
Building Smart Web Apps integrated with Machine Learning, Predictive Analytics and Data Visualisation through Python. The Smart Web Apps solve day-to-day problems with modern intricate tech solutions, all remotely hosted by a server. Taking this course as a student fortified my Python-based web-app building foundation and taught me useful new concepts such as neural networking and deep learning. **Earned 4 credits.**
- ❖ **RecipeManagement MVC end-to-end application** *Dec 2022-August 2023*
Using Apache Netbeans IDE and a Thymeleaf front-end framework, I have made an end-to-end application in a Model-View-Controller (MVC) structure for my Computer Science IA. This software allows my client to manage their recipes, including add, update, delete, edit recipes, calculate ingredient quantities and costs through scaling for different consumer sizes, and view festive recipes as well.
- ❖ **PiJam Foundation: Teaching coding** *Sep 2023-November 2023*
I have taught children coding, from the basics to learning algorithms and using a Raspberry Pi. At a school for underprivileged children, I took weekly lessons of Computer Science with the 6th Grade as a volunteer through a non-profit organization called 'PiJam', for my IBDP CAS Project. It was an experience that will last me through a lifetime, including honing my leadership and communication skills too.
- ❖ **LetsPlayGolf** *Jan 2023*
This is a game tracker developed in Python and presented in HTML and CSS, planned on paper with pseudocode. LetsPlayGolf, was my first project combining both back end and front end features in a website as a programmer. LetsPlayGolf allows the user to interact with the elements on the website, enter their information and actively watch the Python code execute (perform) to deliver a result. With LetsPlayGolf, a user can understand the basics of how to play golf on its distinctively appealing webpage, rate the functionality of the website and algorithm, and contact the creator, me, for feedback through socials.
- ❖ **My Java Code Collection** *Dec 2022*
I have carefully developed a prized collection of 20+ Java codes to perform several small, fun, and creative tasks and functions. These programs formed the base to my understanding and expanded my learning of coding with Java.

❖ **Working Model: The Smart Noticeboard**

Feb 2023

A team consisting of myself, Haard Sanghvi, and our teacher Ms. Manali successfully created a Smart Notice Board using the Arduino UNO microprocessor. The project involved designing a GUI through the MIT Inventor App, enabling a Bluetooth connection for speech-to-text conversion. The recorded text was automatically saved in a Google Sheet while being displayed on an LCD screen, resulting in a highly functional digital noticeboard. This project's impressive features, including offline speech recognition and simultaneous display and recording, earned it *third prize in the Working Models Category at the NES Science and Technology festival for IB schools*.

❖ **Designing Websites**

Mar 2023

I have designed several websites such as my Computer Science Portfolio website, my WordPress blog, and websites for internships too. Designing websites has not only become a pleasure, but also a learning experience for me.

Link to Computer Science Portfolio - <https://imkimayak.wixsite.com/mysite-1/>

Link to WordPress blog - <https://kimayasmagic.wordpress.com/>

Honors and Achievements:

- ❖ Head of the Reader's Club 2022
- ❖ School Magazine Editor (2021-22)
- ❖ Director General in the HFSI JMUN 2023
- ❖ ABWA Infinity Math Championship 2023 - Finalist in the Advanced Category
- ❖ Curation Team Member for Tedx Youth HFSI 2023
- ❖ Press Team Member and Writer for HFSMUN 2023
- ❖ Delegate of Italy for HFSMUN 2022
- ❖ Delegate of Hungary for HFS intraMUN 2022

- ❖ Scholarship of merit of 1 lakh rupees for 10th standard board results
- ❖ International Certificate with Distinction for IGCSE Boards Examinations 2022
- ❖ Award for Highest Score in Economics for IGCSE Boards Examinations 2022
- ❖ Award for Highest Score English Language for IGCSE Boards Examinations 2022
- ❖ Award for Highest Score in Economics HL IBDP 2023

- ❖ Winner of Essay Writing Competition at Eudamonia
- ❖ Qualifier for the Turnitin essay writing competition 1st September 2022
- ❖ Designated as Literary Lieutenant at StoryMirror
- ❖ Won 2nd and 3rd Prizes in inter house athletic meet at school

Interests and Hobbies:

- ❖ Dance - Bharatnatyam (completed 7 years) at Nrityaprabha
- ❖ Acoustic Guitar at Music Pulse
- ❖ Writing - Guest Posting at blog of podcast This Teenage Life
- ❖ Poetry blog - Kimaya's Magic on WordPress
- ❖ Sports - Athletic Cycling, Sprint, Short Put
- ❖ Design mandalas at Patterns and Peace

