

# Himanshu Nagpal

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## EXPERIENCE

### SamSung PRISM, Intern

September 2022 - March 2023

#### Shot Learning based speaker adaptive voice cloning and speech synthesis

Lead the team to develop an end to end system for cloning speech using acoustic features of the user with just a sample of his/her voice. Speech recognition including acoustic processing, feature extraction and classification/recognition.

## EDUCATION

### Thapar University, Patiala — BTech(Hons.) in Computer Science

Expected Jul'24

Cumulative GPA- 9.77/10

Relevant Courses-Data Structures and Algorithms, Operating System, OOPs,Database Management System, Design and Analysis of Algorithms, Computer Networks.

## PROJECTS

### AutoBill-An automatic checkout system for retail stores

02/2023 - Present

The idea behind this concept is to streamline the supermarket checkout procedures. Not only minimizing the time and effort needed for billing, the system will make use of cutting-edge technologies including machine learning algorithms and cloud computing to immediately bill the clients for their purchases and deducts the appropriate amount from their e-wallets.

### RainbowHelp- Empowering Rainbow Foundations' Network

06/2023: JPMC Code for Good Project

As a backend developer, I spearheaded the development of a comprehensive web application for Rainbow Foundation. I took charge of designing and implementing the backend architecture, managing the databases, and seamlessly integrating various APIs to enhance the functionality and effectiveness of the platform.

### Eyes- An ML based for blind people

10/2022-12/2022

Developed a Python-based image summarizer that automatically extracts the relevant information from the image, converts it to audio and speaks it out loud.

## SKILLS

**Languages:** C/C++, PYTHON, HTML, CSS, JavaScript, NodeJs, ExpressJs, SQL, MongoDB

**Software/DeveloperTools:**Py Charm,Google-Colab, Visual Studio Code, Git and GitHub •

**Framework:** BootStrap

**Soft Skills:** Team Management, Leadership Skills, Flexible and Adaptable,Self-Motivated, and Active Listener

## ACHIEVEMENTS

-**WINNER** at **JPMC Code for Good Hackathon 2023** and helped [Rainbow Homes](#).

-Stood **first** in TIET in my second year and **WON** merit scholarship thrice.

-Selected under **top 200** entries nationwide in ATAL Innovation Mission.

-Stood **first** in school in class12 with percentage of 96.4%

-Volunteered for two NGOs.

## EXTRACURRICULARS

### IET, TIET

-Guided the team of 8 members through their journey of learning and implementing.  
-Provided technical support in events conducted by cell.

### SpicMacay, TIET

-Directed marketing department and expanded number of sponsorships

### Certifications

-Simplified Approach to DBMS  
-C++ with DSA from Coding Ninjas