

# Aastha Rastogi

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## EDUCATION

### **BITS-Pilani, K. K. Birla Goa Campus**

B. E. Computer Science, CGPA: 7.45/10

Goa, India

2019-2023

### **Delhi Public School, Faridabad**

Science + French, (CBSE) Board, 12<sup>th</sup> : 94.2%, 10<sup>th</sup> : 10/10 CGPA

Faridabad, India

2004-2019

## EXPERIENCE

### **Amazon**

Software Development Engineer Intern

May 2022 – July 2022

Hyderabad, India

- Developed a script for Alexa Data Services that creates dashboard showing code reviews raised to a team or group.
- Created an automation script for mailing the customized dashboard to reviewers of each code review.
- Participated in a 3-day intra-organization Hackathon. Worked in a team of 5 to solve a pain-point and ameliorate employee experience.

### **Microsoft Engage Mentorship Program**

Mentee

June 2021 – July 2021

Bangalore, India

(Remote)

- Created a two-way video call application using front-end and back-end web technologies, websockets and API's.

- Link: <https://damp-reaches-69819.herokuapp.com/>

### **Swecha Organisation**

Summer Intern

June 2021 – July 2021

Hyderabad, India

(Remote)

- Built Mobile Autonomous Cart for agriculture use that can accurately identify the objects with both self & human-guided capability.
- It involves multi-sensor fusion mechanisms and vision guided autonomous learning approaches, using Machine Learning and Computer Vision.

### **Elixir Systems**

Intern

April 2020 – May 2020

(Remote)

- Designed models and animations using Unity and Blender 3D modelling for CBSE's Chemistry Lab experiments based on NCERT syllabus.
- The animations use Augmented Reality to build a virtual interface where students can perform experiments without actually being present.

## PROJECTS

### **Generating Audio from given Genre**

December 2021

- Created Variational-Autoencoder that generates an audio-clip based on input- parameter that specifies the genre of audio clip - as a part of course project. Link: [https://github.com/astelrastogi/CSF425\\_Major\\_Project](https://github.com/astelrastogi/CSF425_Major_Project)

### **Impact of Skip Connections in Multilayer Perceptron**

September 2021

- Compared the performance of MLPs with skip connections to those without skip connections – as a part of Deep Learning Academic course.
- Link: [https://github.com/astelrastogi/CSF425\\_Assignment1](https://github.com/astelrastogi/CSF425_Assignment1)

### **Game Development using Unity**

May 2020 – June 2020

- Developed a game called Pulse! for Developers' Society BITS-Goa Game-Development website: <https://games.devsoc.club/>
- Link for download: <https://devsoc.itch.io/pulse>

### **Front End Website Development**

June 2021

- Developed the official website for ACM BITS-Pilani Goa Student Chapter as a group initiative. Website: <https://bitsg.acm.org/>

### **AR Based App Development**

July 2020

- Participated in a 2-day hackathon organized by Devsoc's Devfest. Created project called "MoodEvator" which focused on mental health.
- Created an AR based app, which guides user through yoga postures. Link for download: <https://linktr.ee/aasthar3>

## TEACHING

**Undergraduate Teaching Assistant at BITS Pilani – Goa, CSIS Dept.**  
*Computer Programming (CS F111)*

Mar 2022 – July 2022  
Mar 2021 – Jun 2021

## SKILLS

C | C++ | C# | Java | Python | HTML5 | CSS | JavaScript | Unity | Blender

## VOLUNTEER EXPERIENCE

- Microsoft Learn Student Ambassador
- VMware Campus Ambassador
- AnitaB.Org vGHC' 21 Open-Source Day Mentor at CircuitVerse
- Mentor, BITS Goa Women in Tech
- Contributor, GirlScript Winter of Contribution
- Mentor, Quark Summer Technical Projects, for Game Development
- Chapter Lead (BITS-Pilani, Goa), GirlScript Foundation
- Mentor, Peer Mentorship Program, BITS-Pilani, Goa

## AWARDS & ACHIEVEMENTS

- Received 100% fee waiver scholarship for academic year 2017-2018 at DPS, Faridabad
- Earned state rank 1 in NSTSE Exam, 2013

## EXTRACURRICULAR ACTIVITIES

- Vice-Captain, Basketball Team, BITS-Pilani, Goa
- Founding Member and Vice Chair, ACM BITS-Pilani, Goa Chapter
- Developer, Developers' Society, BITS-Pilani, Goa
- Member, Literary & Debating Club, BITS-Pilani, Goa
- Member, The Drama Club, BITS-Pilani, Goa