

Aastha Rastogi

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EDUCATION

BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCES (BITS PILANI), GOA

B.E. IN COMPUTER SCIENCE

Aug 2019 – June 2023

Cum. GPA: 7.42

DPS, Faridabad

Science + French (CBSE)

2004 - 2019

12th Board Percentage: 94.20%

10th CGPA: 10.0/10.0

KEY COURSEWORK

Computer Programming

Data Structures and Algorithms

Database Systems

Discrete Structures for Comp Science

Object Oriented Programming

TECHNICAL SKILLS

PROGRAMMING

C/C++ | C# | Java | JavaScript

| HTML/CSS | Unity | Blender

TEACHING

Awarded highest grade of Excellence for Teaching Assistantship in Computer Programming course.

CERTIFICATIONS

- Fundamentals of Deep Learning by NVIDIA Deep Learning Institute
- Learning React.js by LinkedIn
- JavaScript Essential Training by LinkedIn
- Introduction to Game Development by Coursera
- Introduction to Augmented Reality and ARCore (Google AR & VR) by Coursera

VOLUNTEER EXPERIENCE

- Microsoft Learn Student Ambassador
- vGHC' 21 Open-Source Day Mentor at CircuitVerse
- Mentor, Quark Summer Technical Projects, for Game Development
- Chapter Lead (BITS-Pilani, Goa), GirlScript Foundation
- Teaching Assistant, Computer Programming, BITS-Pilani, Goa
- Mentor, Peer Mentorship Program, BITS-Pilani, Goa

INDUSTRY INTERNSHIP

SWECHA | SUMMER INTERN | JUN'21 - JULY'21

Hyderabad | Supervisor: Prof. A Baskar

Worked on a project that aims to build Mobile Autonomous Cart for agriculture that can accurately identify the objects with both self-guided and Human (on ground and remote) guided capability. It involves multi-sensor fusion mechanisms and vision guided autonomous learning approaches, using Machine Learning and Computer Vision.

ELIXAR SYSTEMS | INTERN | APR'20 - MAY'20

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

PROJECTS

VIDEO CALL WEB APPLICATION – MICROSOFT ENGAGE' 21

June 2021 - July 2021

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

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

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/>

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>

AR BASED APP DEVELOPMENT

July 2020 - July 2020

- Participated in a 2-day hackathon organized by Devsoc's Devfest. Worked in a team to make project called "MoodEvator" on mental health and how it can be improved during the times of COVID-19.
- Created an AR based app, which guides user through yoga postures. Link for download: <https://linktr.ee/aasthar3>

POSITIONS OF RESPONSIBILITY

- Founding Member and Vice Chair, ACM BITS-Pilani Goa Chapter
- Vice-Captain, Basketball Team, BITS-Pilani, Goa

AWARDS & ACHIEVEMENTS

- Selected for GirlScript Winter of Contributing, 2021 as a contributor
- Completed Microsoft Engage Mentorship Program, 2021
- Alpha Microsoft Learn Student Ambassador
- Received 100% fee waiver scholarship for academic year 2017-2018 at DPS, Faridabad
- Earned State Rank 1 in NSTSE Examination, 2013