

Sejal Gupta

CONTACT LINKS

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EDUCATION

B.TECH

2019 – 2023 | Indian Institute of Technology, Goa
CPI: 9.22/10 (Computer Science and Engineering)

SCHOOLING

2007 - 2019 | N. K. Bagrodia Public School
10th Std. Examinations, CGPA: 10/10
12th Std. Examinations, Percentage: 96

SKILLS

Programming Languages: C, C++, Java, Python, Haskell, JavaScript, Kotlin

Industry Knowledge: Front-End Development, Machine Learning, Deep Learning, Data Analysis

Frameworks and Libraries: ReactJS, Bootstrap, React Bootstrap, Sphinx, PyTorch

Tools and Technologies Git, HTML, CSS, LaTeX, Linux CLI, Android Studio

ACHIEVEMENTS

CERTIFICATE OF EXCELLENCE

Image Colourisation Project, TalentSprint | 2020

OVERALL WINNER

Introductory Event, IEEE IIT Goa SB | 2020

RUNNER UP

HackQuest CTF, GirlScript Goa | 2020

POR/VOLUNTEERING

GDSC LEAD

IIT Goa | 2021 - 2022

WIN VOLUNTEER

Women in IITs Network | 2022 - Present

STUDENT MENTOR

IIT Goa | 2020 - Present

HOBBIES

I like to dance, sing, play Table Tennis, and make digital illustrations.

EXPERIENCE

SWE INTERN

IUDX, IISc Bangalore | August, 2022 - December, 2022

Analysed real-time data for waste collection vehicles in Varanasi. Worked with Kubernetes, Elasticsearch and Spark to modify and deploy the Analytics Engine Pipeline.

Read research papers and libraries and experimented with the Yolov5 model to study Differential Privacy.

SWE INTERN

Google | May, 2022 - August, 2022

Reduced the turn-around time of discount application for resellers of Google Cloud Platform by designing and building an automation pipeline for non-standard discounts with requirements from cross-functional teams.

Worked with Java, Buganizer API, Guice, JUnit, Mockito and Borg.

STEP INTERN

Google | May, 2021 - August 2021

Integrated a Contextual Bandits model with an internal technology to optimize the User Experience in GPay.

Worked with Java, Protocol Buffers, CEL expressions and JUnit.

Collaborated across teams and across time zones.

WOMEN TECHMAKERS ENGINEERING FELLOW

Google | March, 2020 - April, 2022

One among the top 126 candidates selected among 15k applicants from all over India.

Mentored by Googlers and Faculty of TalentSprint to pursue a career in STEM.

Mentored in technical as well as soft skills.

PROJECTS

IIT GOA MARKETPLACE

January, 2023 - May, 2023

- B.Tech Project with Prof. Amaldev Manuel, IIT Goa, in a team of four students.
- Intra-college reselling portal made using the MERN stack.

INSIGHTS FROM SMART CITY DATA

February, 2022 - May, 2022

- B.Tech Project with IUDX, IISc Bangalore and Prof. Satyanath Bhat, IIT Goa.
- Used geo-spatial analysis techniques for traffic analytics such as traffic hot-spots and statistical analysis of traffic state

B&W IMAGE COLOURIZATION

August, 2020

(Github) (Deployed)

- A contributor among three students.
- Built and trained an Image Colourisation model over 570K images using Autoencoders to colourise grayscale images
- Built using PyTorch in Kaggle, deployed using Heroku and made with Streamlit.

CHESS: PGN TO FEN CONVERTER

July, 2020

(Python) (Kotlin)

- Created to analyse certain statistics of Chess games by keeping track of the configuration of the Chess board at any instance during a game.
- Developed in both Python and Kotlin.