

# Anoushka Sengupta

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## EDUCATION

### Mount Holyoke College, South Hadley, MA — Bachelor of Arts in Computer Science

AUGUST 2018 – MAY 2022 (ESTIMATED)

GPA : 3.81/4.0

**Relevant Coursework** : Computational Problem Solving - Artificial Intelligence, Data Structures, Algorithms, Methods in Data Science, Calculus, Linear Algebra, Discrete Mathematics, Symbolic Logic, Software Design and Development, Introduction to Computing Systems, Computational Linguistics.

**Extracurriculars** : GirlUp MHC (Co-founder, President), Choir (Secretary, Soprano), Salsa Rueda, Hack-a-thons

## EXPERIENCE

### ITC Infotech, Kolkata, India — Project Trainee Intern

JULY 2020 – AUGUST 2020

- Spearheaded research on the evolution of SAP ERP Software

### Math/Stat Department, Mount Holyoke — Teaching Assistant and Grader

JAN 2020 – MAY 2020

- Acted as a liaison between the professors and students
- Troubleshoot and gave constructive feedback to students enrolled in Introductory Statistics courses with R programming, thereby increasing their confidence in statistics and coding.
- Graded weekly homework assignment for around 15 students in RStudio.

### Computer Science Department, Mount Holyoke — Peer Mentor and Lab Teaching Assistant

AUGUST 2019 – MAY 2020

- Mentored students enrolled in Computational Problem Solving - Humanities Computing and Artificial Intelligence and assisted in laboratory instruction of around 20 students.
- Performed code reviews, making students understand how to improve their code and encourage more women and non-binary people to enroll in further computer science courses

## VOLUNTEERING

### Hackathons, Remote — Mentor

JULY 2020 – PRESENT

- Mentored participants of **BridgeHacks 2020**, **Garuda Hacks** and **Hack the 6ix** via Discord and Slack
- Mentored teams and individual hackers on project ideas and implementation, using **Python**, **Java**, **HTML/CSS**, the **Bootstrap** framework, **JavaScript** and the **Unity** game engine.

## PROJECTS

**Instagram Filters**: Created fun and interactive Instagram filters using **Spark AR Studio**, **Autodesk Sketchbook**, **Adobe Illustrator** and **GIMP**

**Manifest COVID**: Visualizes the potential presence of airborne particles in the wake of a person's movement that disappear over time using **gcp** and **p5**. Won Mercury Track: Best Safety & Security Hack at Spectra 4.0

**Asteroids**: Developed a multidirectional shooter game in **Eclipse** using **Java**, **Java Swing**, **AWT** and **JUnit**. Utilized **Test Driven Development (TDD)** and **Agile** methodologies.

**Explore Holyoke**: Created a game using **Unity** and **C#** to teach prospective students about Mount Holyoke using its folklore and ghost stories. Made with a team for HackHolyoke 2019. Won Google Prize.

## SKILLS

**Programming, Scripting & Assembly Languages**: Java, Python, R, C, JavaScript, HTML, CSS, Lua, MIPS

**Frameworks, Tools, Technologies**: MATLAB, Spark AR Studio, Bootstrap, Love2D, Unity, Sketchbook, Figma

**Languages**: Fluent - English, Hindi, Bengali ; Classroom Study - Japanese, Italian

**Honours and Awards**: Black Belt in Enshin Karate, Anima Mukherjee Memory Trophy for Highest Achievement in English in the ICSE Examination, Gold Medal - English Olympiad, Silver Medal - Mathematics Olympiad, 2nd Place - Computer Science Olympiad, Google Prize - HackHolyoke, Mercury Track Winner - Spectra 4.0