

# Sagnik Anupam

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github.com/sagnikanupam

## EDUCATION

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### Massachusetts Institute of Technology, Class of 2024

Cambridge, Massachusetts, USA

B.S. in Computer Science and Engineering | Activities: Discovering Entrepreneurship and Leadership, TechX, Rune, Intl. Students Association  
Relevant Coursework: Introduction to Algorithms, Probability and Random Variables, Principles of Microeconomics

### Delhi Public School R K Puram, Class of 2020

New Delhi, Delhi, India

AISSEE (Science Stream): 96.0% | SAT: 1560/1600 | TOEFL: 120/120 | AP Scholar with Distinction  
Activities: Head Boy (student body president representing over 7000 students), Exun Computer Science Club (Chief Adviser), Aerospace Society, Quizzing Club, Domain Square Plus (Gaming Club)

**Online Coursework** (via Coursera): Algorithmic Toolbox, Deep Learning Specialization

## WORK EXPERIENCE

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### MIT Research Laboratory of Electronics

Cambridge, Massachusetts, USA

Undergraduate Researcher

September 2020-Present

- Developed tools using C to detect and interpret acoustic cues to distinguish among speech sounds using sampled audio.
- Worked under Dr. Stefanie Shattuck-Hufnagel and Dr. Jeung-Yoon Elizabeth Choi.

### Harvard Undergraduate Capital Partners

Cambridge, Massachusetts, USA

Sourcing Analyst

September 2020-Present

- Sourced startups in the MIT and Harvard startup ecosystems for HUCP's 60+ VC and angel partners with aggregate \$20B AUM.
- Networked with founders, wrote one-pagers about startups, sent deliverables to partners, and facilitated introductions to investors.

### SincGrid LLP

New Delhi, Delhi, India

Software Engineering Intern

July 2019 - May 2020

- Developed software to integrate voice assistants with IoT devices for automating sensor data collection.
- Built the cloud-based software using Python, Alexa Skills Kit, and Google Dialogflow.

### Jawaharlal Nehru University

New Delhi, Delhi, India

High-School Student Researcher

August 2018 - November 2019

- Built Augura, a flood forecasting model for the Brahmani-Baitarani river basin in Odisha, India, under Dr. Padmini Pani.
- Utilized Python, NumPy, scikit-learn, extreme learning machines, and particle swarm optimization for the machine-learning model.
- Research paper citation: Anupam, S., & Pani, P. (2020). Flood forecasting using a hybrid extreme learning machine-particle swarm optimization algorithm (ELM-PSO) model. *Modeling Earth Systems and Environment*, 6(1), 341-347.

### Indian Institute of Technology (IIT) Delhi

New Delhi, Delhi, India

High-School Student Researcher

August 2017 - February 2019

- Conducted a comparative study under Dr. Arpan Kar to identify optimal machine-learning models for phishing website detection.
- Developed hybrid machine-learning models using Python, NumPy, EvoloPy, nature-inspired optimization algorithms, and scikit-learn.

## HONORS AND AWARDS

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2020 Cohort

Google CSSI-Coursera

Winner

Google India Code to Learn Contest 2019

Third Grand Award

Intel International Science and Engineering Fair 2019

Member (2019-20)

Junior Academy, The New York Academy of Sciences

Winner

National Child Award for Exceptional Achievement 2020 (awarded by Govt. of India)

Bronze Medal

International Philosophy Olympiad 2018

Honorable Mention

International Linguistics Olympiad 2017

Bronze Medal

Asian-Pacific Linguistics Olympiad 2019

## SKILLS AND INTERESTS

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**Languages:** English, Hindi, Odia

**Technical:** Python (5 years), C++ (4 years), HTML (5 years), Git (2 years), LaTeX (3 years), Research (3 years)

**Hobbies:** Philately, Creative Writing, Electronic Music Production