

Sagnik Chakrabarti (Nik)

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EDUCATION

Georgia State University (Honors College)

GPA- 3.71/4.00

Atlanta, GA

B.S. Computer Science

Graduating - December 2024/May 2025

Relevant Coursework – • Principles of Computer Science I • Principles of Computer Science II • Data Structures • Computer Organization and programming • System Level Programming(currently taking) • Design and Analysis: Algorithms (currently taking) • Software Development (currently taking)

PROJECTS

- **Spotify Clone** - Next.js, React, Tailwind, Supabase, PostgreSQL, Stripe | October 2023
 - Developed a feature-rich music streaming app replicating Spotify's functionality, including song upload, authentication, and premium subscriptions.
 - Utilized Next.js and React for a responsive UI, integrated Supabase for secure data handling, and Stripe for payments.
 - Implemented server-side rendering, direct database access, and real-time component relations for a seamless user experience.
- **Robocon India 2018** -Asia-Pacific Broadcasting Union (ABU)
Participated in a group of 5 to design and program a robot that could “ném còn” (throw shuttlecock) through the ring at height.
- **National Children's Science Congress** - Department of Science and Technology, Government of India / 2017 / Ahmedabad, Gujrat, India.
Presented a Research work, titled "An Experimental Estimation of Classroom Microbial Load and Efficacy of Some Bioactive Substances to Reduce It." Ranked 3rd of the 10,000 Indian students' groups appeared.

WORK EXPERIENCE

- **CIC Tutor, R.I.S.E Computing Dept. of Computer Science GSU** September 2023 – Present
 - Facilitated code debugging, encouraging active student participation in the learning process.
 - Provided Python-focused tutoring for introductory programming courses (CSC 1301/1302) with an emphasis on conceptual understanding and problem-solving guidance.
- **Student Assistant, Library User Services and Technology GSU** September 2023 - Present
 - Dedicated team member of the library staff, contributing to the efficient operation and services of the library.
 - Responsibilities included assisting patrons in finding and checking out materials, managing library resources, and providing information and reference support. Conducted library cataloging, organization, and inventory tasks, ensuring a well-structured and accessible collection.
- **Student Assistant, Hotel Housing Maintenance GSU** April 2023 – July 2023
 - Supporting professional maintenance technicians as they performed maintenance on building systems and residential spaces.
 - Keeping a detailed inventory and analysis of data to report a sequential and streamlined schedule for maintenance.
- **Student Assistant, Student Success GSU** February 2023 – August 2023
 - Guiding peers develop the skills necessary to become successful students at Perimeter College.
 - Demonstrate a mastery of the holistic elements of peers' academic careers, such as time management, prioritizing, effective study strategies, goal setting, motivation, managing test anxiety, and using campus resources.
- **Student Assistant, Patton Dining Hall GSU** August 2022- February 2023
 - Managing at the front of the house.
 - Managing the sales transactions and the hall order.

HONORS AND AWARDS

- **Qualified Regional Mathematics Olympiad**
International Mathematical Olympiad Board / 2018 / New Delhi, India.
Ranked among top 360 of the 100,000+ Indian students appeared; in solving post-graduation level mathematical problems within a designated time limit.
- **15th position, National Under-18 Open Chess Championship**
All India Chess Federation / 2017 / New Delhi, India.

TECHNICAL SKILLS

- **Programming:** Java, Python, JavaScript, TypeScript, Swift, Kotlin, MATLAB.
- **Technologies & Tools:**Next.js, React, Node.js, GraphQL, iOS, Git, Android, MySQL.