

BRINTA KUNDU

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<https://personal-website-pi-swart-62.vercel.app/>

EDUCATION

Hunter College, City University of New York (CUNY) — B.A. in Computer Science

Expected Graduation: 2026

GPA: 3.7

- Relevant Coursework: Data Structures & Algorithms, Machine Learning, Artificial Intelligence, Operating Systems, Databases, Software Engineering, Cybersecurity, Distributed Systems.

Bard High School Early College — High School Diploma & Associate of Arts (A.A.)

Graduated 2023

Grade: **94/100**

TECHNICAL SKILLS

Languages: JavaScript, Python, C++, HTML, CSS, SQL, Swift

Frameworks/Tools: React, Next.js, Node.js, SwiftUI, TensorFlow/Keras, Firebase, AWS, Stripe API, Vercel, Tableau, Supabase, Git/GitHub

Data/Analytics: Google Sheets, Tableau visualization, data cleaning, SQL joins

Other: REST APIs, Canvas API, CI/CD, Agile development, debugging, team collaboration

EXPERIENCE

iOS Engineering Intern — Movement Vault (now known as Stretchmode)

Remote • 2024–Present

- Developed and updated **SwiftUI** features across multiple parts of the app, improving overall usability and design consistency.
- Collaborated with designers and engineers to refine layouts, interface components, and user flows based on feedback and testing.
- Assisted with integrating backend APIs and managing app state to support new features and subscription-related functionality.
- Supported build, deployment, and testing processes, including troubleshooting issues in Xcode Cloud and TestFlight.

Software Engineer Fellow — Headstarter AI

July 2024 – September 2024

- Built **5+ AI-driven applications** using Next.js, React, Firebase, AWS, and Stripe API.
- Received coaching from engineers at **Amazon, Bloomberg, and Capital One** on Agile workflows, CI/CD, and scalable development.
- Worked under weekly sprints, delivering production-ready features and presenting demos.

Freelance Tutor

August 2023 – Present

- Tutored students from K–10 in math, science, and literature.
- Improved student grades through tailored learning strategies and supportive communication.

- Developed individualized lesson plans that strengthened problem-solving and critical thinking skills.

PROJECTS

Anime Analytics Dashboard — Tableau (2025)

- Designed a multi-sheet Tableau dashboard using 5 years of MyAnimeList data (~15k entries).
- Explored genre trends, popularity shifts, seasonality, and personal viewing patterns.
- Built interactive visualizations using calculated fields, parameters, and filters.

PixMix — Image Manipulation Web App

React • HTML5 Canvas API • JavaScript • Vercel (March 2025)

- Developed an in-browser image effects tool supporting pixelation, inversion, brightness/contrast, and more.
- Implemented efficient image processing using Canvas `getImageData` and custom pixel algorithms.
- Deployed on Vercel with GitHub integration for seamless CI/CD.

Quiz App — Interactive Team Project

HTML • CSS • JavaScript • OpenTDB API (May 2025)

- Collaborated in a team of four to build a dynamic quiz application with category, difficulty, and question-number selection.
- Led backend/API logic: integrated the Open Trivia Database API, built query construction logic, and fetched questions dynamically based on user settings.

Personal Website & Portfolio

Next.js / TailwindCSS

- Built a responsive personal site showcasing projects, resume, and skills.
- Implemented smooth page routing, SEO optimization, and modular UI components.

Machine Learning Projects — TensorFlow/Keras

(2024–2025)

- Built LSTM text-generation models using the Shakespeare dataset.
- Developed an encoder–decoder image captioning system using VGG16 + LSTM.
- Gained experience in embeddings, sequence prep, GPU training, and model tuning.

ADDITIONAL EXPERIENCE & ACTIVITIES

GSWEP (Google Software Engineer Program)

March 2025 – May 2025

- Selected for a competitive 10-week Google-partnered engineering program hosted by Basta.
- Received individualized coaching from a Google SWE focused on technical interviewing, communication, and problem-solving.

Cyber Risk & Security Analysis Coursework

- Completed ransomware, EHR system, and phishing incident analyses using NIST CSF methodology.
- Produced structured incident reports following professional investigation frameworks.

LANGUAGES

English (fluent) • Bengali (fluent)

INTERESTS

Data visualization, ML modeling, analytics storytelling, UI/UX design, photography, fitness tech, web apps, creative media.