

DEBASHRESTHA NANDI
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Dynamic Computer Science student with a 4.0 GPA and experience in software development and tutoring. Skilled in problem-solving and technology-driven solutions. Ready to deliver efficiency and innovation as a dedicated contributor.

EDUCATION

Bachelors in Computer Science, The City College of New York, Expected Graduation: Spring 2028 GPA:4.00

RELEVANT COURSEWORK

Intro to Computer Science (C++), Discrete Math, Calculus I, Calculus II, Programming in Python, Data Structures and Algorithms, Speech.

PROJECTS

Route Optimizer: Developed a multi-stop route optimization tool using React and Google Maps API to improve travel efficiency, with an interactive UI and real-time traffic analysis.

Chat App: Built a real-time chat application using React and Firebase, enabling secure authentication and database storage, while designing the frontend UI and integrating real-time messaging.

Quiz App: Developed a customizable exam application in Python, allowing users to create and take quizzes, with score tracking and question randomization for an interactive experience.

Encryption Tool: Created a text encryption and decryption program in C++ to ensure data security, using custom encryption algorithms to enhance data confidentiality.

Careers Website: Designed a job portal using Flask and MySQL, allowing users to post and apply for jobs, and developed backend logic for job filtering and application management.

Adventure Game: Built an interactive text-based adventure game in C++, featuring decision-based story progression, with custom game logic and user interactions.

Pomodoro Timer: Developed a productivity timer application in Python, implementing the Pomodoro technique to enhance focus and time management, with customizable work and break intervals

EXPERIENCE

Tutor – Bobby-Tariq Tutoring Center, Queens, NY (Dec 2023 – Sep 2024)

- Taught 100+ students, improving their academic performance in math and standardized test preparation.
- Created personalized lesson plans and tracked student progress to enhance learning outcomes.

Private Tutor – Remote (Mar 2023 – Present)

- Tutoring 50+ students in math, programming, and test prep, tailoring lessons to individual needs.
- Helped students with Python and C++ programming, explaining coding concepts and problem-solving techniques.

QUALIFICATIONS **Technical Skills:** Python, C++, JavaScript, TypeScript, React.js, Flask, Django, SQL, MySQL, Firebase, Git/GitHub, HTML, CSS, API Development, Data Structures & Algorithms, Linux, Object-Oriented programming. **Key Skills:** Problem-Solving, Communication, Analytical Thinking, Time Management, Collaboration