

Tanvir Haque

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Education

Harvard University

Bachelor of Arts, Computer Science.

Relevant Coursework: Computer Science 50, Computer Science 20, Computer Science 171

Cambridge, MA

May 2028

Experience

National Science Foundation

Data Analyst Intern

Montreal, Canada

May 2025 - August 2025

- Collected, cleaned, and analyzed 100,000+ sensor readings in Python to track pollution patterns across Canada and Bangladesh.
- Ensured 95%+ sensor reliability through correlation testing, reducing false alerts to verify data accuracy and determine when to add, update, or remove air quality sensors.
- Built statistical models and heatmaps to evaluate pollution factors and support actionable, real-world environmental solutions.
- Presented research findings and visualizations in a poster presentation to the National Science Foundation (NSF) board, demonstrating results and practical implications.

Hayton Inc.

Founder, President

Lynn, MA

July 2023 - Present

- Raised thousands to support local homeless shelters.
- Developed skills of leading a team towards a goal, focusing on helping people in need, and understanding real-world problems.
- Fostered a positive atmosphere for community members, team members, and held fundraisers on a regular basis.

Vitality Labs Startup

Junior Engineer

Boston, MA

January 2025 - November 2025

- Built and maintained the startup's app and website, adding features and fixing issues.
- Developed APIs to integrate AI models into the app.
- Released updates and monitored performance to keep the platform stable.

Leadership & Activities

Bengali Association of Students at Harvard College (BASHA)

Treasurer

Cambridge, MA

January 2025 - January 2026

- Raised over 20k in funds for multiple events per month.
- Developed skills of being punctual, taking on challenges, and teamwork in projects and events.

Skills & Interests

Technical: JavaScript, Python, HTML/CSS, SQL, Git

Language: English, Bangla (first language), Arabic, French

Interests: Tennis, Basketball, Weightlifting, Orchestra