

# Arsh Jafri

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Availability: July 2025 – December 2025

## EDUCATION

Northeastern University, Khoury College of Computer Science

Boston, MA

Candidate for a Bachelor of Science in Computer Science and Economics

May 2027

Honors: University Honors Program, Honors Scholarship, Dean's List (Fall 2023, Fall 2024)

GPA: 3.34/4.00

Relevant Coursework: Algorithms & Data Structures, Object-Oriented Design, Database Design, Applied Econometrics

## COMPUTER & TECHNICAL KNOWLEDGE

Languages: Java, Python, JavaScript, TypeScript, SQL, Racket, R

Frameworks & Libraries: React, Flask, Node.js, Next.js, Pandas, NumPy, Plotly, Java Swing, Java AWT

Databases & Cloud Services: PostgreSQL, Firebase, MongoDB, MySQL, AWS, Google Cloud Platform

Tools & Platforms: Git, REST APIs, .NET, Microsoft Excel, Power BI, Figma, Tableau, LaTeX, VS Code

## EXPERIENCE & INVOLVEMENT

Disrupt Fintech Consulting

Boston, MA

Application Developer & Junior Consultant

December 2024 – Present

- Partnering with **JMAN Group** to define requirements, **provide technical insights**, and **deliver solutions** for a multi-site healthcare analytics platform.
- Developing an **interactive data visualization and reporting platform** to enhance healthcare decision-making and operational efficiency using React, Firebase, and GCP.
- Designing **scalable data models**, dashboard mockups, and **automated reporting scripts**, improving data accessibility and workflow automation.

Forge Product Development Studio

Boston, MA

Software Developer

December 2024 – Present

- Working alongside a **team of 7** to **develop a mobile app** that incentivizes corporate employees to complete fitness challenges and earn rewards, enhancing workplace wellness.
- Developed** profiles, challenges, leaderboards, and rewards to **boost engagement** through social motivation.
- Building a **scalable backend** with Python and MongoDB, integrating with a seamless React Native frontend.

Finnovate Fintech Startup Accelerator

Boston, MA

Program Co-Director

May 2024 – Present

- Leading the execution of an 8-week **startup accelerator program**, now in its **second cohort**, by organizing technical and entrepreneurial workshops, enhancing fintech knowledge and **business strategy** skills for **55+ students**.
- Optimizing program operations** by managing **logistics, finances, and scheduling**, ensuring seamless coordination of resources, mentorship, and speaker engagements.

## PROJECTS

[Clearview](#) | JavaScript, HTML, CSS, Sentiment.js, Compromise.js, Mozilla Readability library

February 2025

- Built a Chrome extension with **1,000+ users** to detect political bias in news articles using NLP and sentiment analysis.
- Analyzed **15,000+ news articles**, providing **real-time bias scoring** and highlighting politically charged language.

[Econostats](#) | Python, AWS, REST API, Flask, Pandas, NumPy, Plotly, HTML, CSS

January 2025

- Developed a real-time economic **data visualization platform** with **FRED API integration**, interactive charts, and custom dataset uploads for trend analysis.
- Processed **12,000+ data points** and optimized performance, reducing data retrieval time by **40%** and ensuring scalability with AWS Elastic Beanstalk.

[Dijkstra's Snake Game](#) | Java, Swing, AWT

November 2024

- Built an **AI-powered** Snake game where the opponent uses **Dijkstra's algorithm** for intelligent pathfinding.
- Designed an **interactive UI** with customizable snake colors, adjustable game speeds, and real-time collision detection.

[Personal Portfolio](#) | React, TypeScript, HTML, CSS

August 2024

- Designed and developed a **portfolio website** with a **responsive UI** and **reusable components**.
- Improved site performance by implementing **lazy loading**, **efficient state management**, and **code splitting**.